

Forty-Seventh Annual Report

OF THE

BOARD OF TRUSTEES

OF

The Ohio State University

TO THE

GOVERNOR OF OHIO

FOR THE

YEAR ENDING JUNE 30

1917

PRESS OF
OHIO STATE REFORMATORY

ANNUAL REPORT OF THE PRESIDENT

Honorable BENJAMIN F. McCANN, *Chairman of the Board of Trustees,*
The Ohio State University.

DEAR SIR: I have the honor through you, to present to the Board of Trustees of the Ohio State University for the transmission to the Governor of Ohio, as required by law, the forty-seventh annual report of the President of the Ohio State University for the year ending June 30, 1917.

THE BOARD OF TRUSTEES

The ad interim appointment of Honorable Julius F. Stone, made by Governor Willis, was withdrawn before an opportunity was given to the Senate for his confirmation and Governor Cox appointed Mr. Charles F. Kettering, an alumnus of the class of 1904, to succeed Mr. Stone.

FACULTY

On May 9, 1917, the second President of the University, Rev. Walter Quincy Scott, D.D., died at his home in Ellensburg, Washington. Born in Dayton, Ohio, December 19, 1845, the sixth in line from Sir Hugh Scott, of William Penn's colony, he entered Lafayette College, Easton, Pa., in the late fall of 1865, having been mustered out the service August 10th, 1865. In 1856 his father had removed to Iowa and on December 14th, 1863, he enlisted in the Fourth Iowa Cavalry Veteran Volunteers, Company M. He was in field service from Vicksburg to the end of the war serving in Sherman's March to the Sea, in pursuit of Forrest through Arkansas, and at Memphis, Tapelo, Big Blue, Marais des Icygnes, Webber's Falls, Ebenezer Church, Selma, Columbus and other minor engagements. Although he entered Lafayette without the usual preparation he promptly showed himself a student of unusual brilliancy and power and graduated in 1869 as the valedictorian of his class. During his student days he served as private-secretary for President William C. Cattell and assisted Dr. F. A. March in the preparation of his "Comparative Grammar of Anglo Saxon and Anglo Saxon Reader," the vocabulary and index being entirely the work of the student. He was elected to the teaching force before his graduation. After serving a short time he attended the Union Theological Seminary, New York, and was called back to Lafayette to teach mathematics during the temporary leave of Professor Selden Coffin. He was ordained as a minister in the spring of 1874 and accepted the pastorate of the Arch Street Presbyterian Church, Philadelphia, where he served until 1878, when he accepted an offer at Wooster, Ohio, as Professor of Moral Philosophy and Political Economy. In 1881 he came from Wooster to Ohio State as President and served two years. In 1884 he became Principal of Phillips Exeter Academy and served for five years. In 1890 he became pastor of the First Presbyterian Church of Albany, New York, where he served three years. He then retired for a period of nine years, except for a short pastorate at

Elmhurst, Pa. In 1902 he accepted a professorship of church history and ethnic religions in the Bible Teachers Training School, New York City. He preached the Baccalaureate Sermon at the Ohio State University on June 19, 1910. In 1909 he was made Emeritus President and Professor of Philosophy by unanimous vote of the Trustees. In 1912 he retired and spent the evening time of life with his son, Walter Quincy Scott, in Ellensburg, Washington. He is survived by his wife, Cornelia Edgar, to whom he was married June 24, 1874. To this union five children were born, two dying in infancy, the other three surviving.

Dr. Scott was a man of commanding physical presence, of wide intellectual range, a public speaker of fine voice and unusual power and a teacher of winning qualities always popular with the students.

The University was greatly shocked by the unexpected death of two members of its faculty in the month of September 1916. Professor Charles Smith Prosser, head of the Department of Geology, died on September 12, 1916, and on September 15, 1916, Professor William Rane Lazenby died. Professor Prosser had been in the service of the University since 1899, being the successor to the late Edward Orton, first President of the University and Professor of Geology until the time of his death in the year 1899. Professor Prosser had distinguished himself in Geology. His publications bear testimony to his achievement in the science to which he gave his life and are ample justification of the high esteem in which he was held by geologists throughout the country.

Professor Lazenby served the University continuously from 1881 until his death. For a long time he was in charge of the work of both horticulture and forestry but in the later years he confined his attention to the subject of forestry. In the beginning of his service he was active in the work of the Experiment Station and its first Director.

Professor Lazenby served as a member of the Alumni Council of Cornell University, where he was graduated in 1874.

The University Faculty provided for a suitable memorial service and addresses were delivered by Professor E. R. Cummings of Indiana University in appreciation of the life and character of Professor Prosser and Director Charles E. Thorne of the Ohio Agricultural Experiment Station in recognition of the character and service of Professor Lazenby.

NEW APPOINTMENTS

During the year the Faculty experienced fewer changes than usual in the way of resignations and new appointments.

Professor J. A. Bownocker was appointed to serve as head of the Department of Geology and Mr. J. E. Carman of the University of Cincinnati was appointed as Assistant Professor in the Department of Geology.

Mr. Wilford M. Aiken, principal of the High School of Ann Arbor, Michigan, was appointed Assistant Professor in the Department of Principles of Education.

Mr. Charles C. North was appointed Assistant Professor of Economics and Sociology.

Mr. R. G. Wiggins was appointed Assistant Professor of Farm Crops.

Other promotions and appointments will appear in the statistical reports.

LEAVES OF ABSENCE

Under the ordinary rules several members of the Faculty were on leave of absence, namely, Professor F. A. Ray, Professor T. H. Haines, Professor George W. Rightmire, Professor Frederic C. Blake, and Assistant Professor William M. Barrows. In addition to these a number of the men in the Faculty were granted leave of absence for service in the war or for some temporary service in connection with special war activity. It is probable that this list will be greatly increased and therefore no attempt is now made either to give a complete record of those in service or subject to call, either Faculty or students.

The declaration of war coming April the sixth when the University year was approaching the close, the University was stirred as to what its duty might be in the premises.

The following declaration was adopted by the Board of Trustees in session on April the third, 1917:

"The President of the Ohio State University, by authority of the Faculty of the University and of the Trustees in session April the third, is requested to assure the President of the United States of their recognition of the lofty ideals and the patriotism actuating him in the present crisis; of their unswerving faith in his integrity of purpose and of the righteousness of his stand for humanity and for political freedom of all nations, including the people of Germany.

The Faculty and Trustees pledge him their loyal support in his leadership. The resources of the University in scientific and research laboratories and in men will be at his command. They will count it great joy under his leadership to serve the cause of humanity and to aid in ushering in the day when government by treachery will be impossible, when autocracy will be supplanted by a rule of the people, when diplomacy shall be synonymous with truth and honor, and when righteousness shall be the foundation of government and the maintenance of justice the object of its administration.

The President is assured of the loyal support of the Ohio State University. He has our hearts, our hopes, and our prayers."

Previous to this time the Faculty had presented a resolution authorizing the President of the University to express its sentiments and present in a formal communication to the President of the United States a statement of them.

The gravity of the situation and the serious consequences flowing from the world war cannot be understood at this date but this University,

in common with other institutions of learning, will doubtless as the war proceeds prove its patriotism and its loyalty by every possible service.

THE SCHOOL OF MILITARY AERONAUTICS

Probably the most distinctive feature of the year was the establishment of a school of Military Aeronautics. In the month of May a conference was held in Washington to which the President of the University was invited. The result of the conference was the proposal of the establishment of six "ground schools," so called, for the purpose of giving the preliminary training for men in the Signal Corps.

A letter from the War Department under date of May 5th, formally authorized the Ground School. On May 3rd the President of the University authorized Professors Magruder, Lord and W. A. Knight to proceed to Toronto, Canada, to make a study of the methods in use by the English Government. Squadron A reported May 21st, 1917, and others followed from week to week. Squadron D started first work in Engines June 11, 1917.

The University put at the service of the Government the exclusive use of Hayes Hall and the Armory. In addition to this a portion of Orton Hall and the partial use of Robinson Hall was granted and provision was made for mess for the cadets at Ohio Union. At the date of this report the school is in the early stages of its operation and gives promise to be an active instrument in the training of men for the air service.

As usual, the summary of enrollment and of degrees granted is given in this report:

ENROLLMENT

GENERAL SUMMARY

1916-1917

Graduate School	233
College of Agriculture	
Undergraduates, Agriculture, Entomology, Forestry, Landscape Architecture, Pomology, degree courses.....	709
Undergraduates, Home Economics, degree course.....	252
Undergraduates, three-year certificate courses.....	237
	1198
College of Arts, Philosophy and Science	1417
Arts-Education	103
College of Commerce and Journalism	90
College of Dentistry	170
College of Education	570
College of Engineering	
Undergraduates, degree courses	969
Undergraduates, two-year certificate courses.....	7
	976
College of Homeopathic Medicine	39
College of Law	154
College of Medicine	151
College of Pharmacy	
Undergraduates, degree course	28
Undergraduates, two-year certificate course	70
	98

OHIO STATE UNIVERSITY

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College of Veterinary Medicine	126
Applied Optics	18
Total	5343
Names counted twice	21
Net total for academic year	5322

Summer Session—1916

Graduate School	195
College of Agriculture	102
College of Arts, Philosophy and Science	267
Arts-Education	29
Applied Optics	2
College of Dentistry	6
College of Education	402
College of Engineering	136
College of Medicine	5
College of Pharmacy	10
College of Veterinary Medicine	9
	1166

Lake Laboratory—1916	15
Winter Course in Agriculture—1917	187

Total	6690
Names counted twice	502
Grand net total for the year	6188

DEGREES

At the Commencement held on June 5, 1917, the University granted a total of 864 degrees. These were distributed as follows:

SUMMARY OF DEGREES

Graduate School	84
College of Agriculture	206
College of Arts, Philosophy and Science	168
College of Commerce and Journalism	11
College of Dentistry	43
College of Education	87
College of Engineering	113
College of Homeopathic Medicine	8
College of Law	19
College of Medicine	65
College of Pharmacy	3
College of Veterinary Medicine	57
	864

In addition to the degrees granted, certificates for the completion of courses not leading to degrees were granted as follows:

College of Law	17
College of Pharmacy	13
Total	30
Degrees granted during present academic year.....	77
Certificates granted during present academic year.....	2
Total number of degrees and certificates granted for the year ending June 5, 1917.....	973

ANNUAL REPORT

SUMMER SESSION, 1917

GENERAL REGISTRATION

	1917	1916
At Columbus	890	1166
At Lake Laboratory	14	15

COLLEGIATE DISTRIBUTION

College of Agriculture	42	102
College of Arts, Philosophy and Science	209	267
College of Education	320	402
Arts-Education	32	29
College of Engineering	106	136
Commerce and Journalism	6	0
Dentistry	3	6
Graduate School	158	195
Homeopathic Medicine	4	0
Medicine	3	5
College of Pharmacy	4	10
College of Veterinary Medicine	3	9
	<hr/> 890	<hr/> 1166

OCCUPATION OF STUDENTS

College Instructors	20	14
College Students	281	568
County Normal Directors	1	2
District Superintendents	12	11
Elementary Principals	1	10
High School Principals	19	27
High School Superintendents	23	31
Teachers	334	421
Unclassified	170	49
Miscellaneous	29	33
	<hr/> 890	<hr/> 1166

PREPARATION OF STUDENTS

	1917	1916
Holding degrees	178	304
Collegiate	712	862
	<hr/> 890	<hr/> 1166

RELIGIOUS STATISTICS—1916-1917

Adventist	3	Jewish	139
Baptist	229	Lutheran	339
Catholic	329	Mennonite	3
Christian	248	Methodist	1664
Christian Missionary Alliance...	1	Methodist-Protestant	22
Christian Science	33	Moravian	2
Christian Union	4	Nazarene	1
Church of God	5	Presbyterian	782
Congregationalists	299	Protestant	30
Disciple	40	Progressive Brethren	2
Dunkard	2	Reformed	109
Episcopalian	178	Swedenborgian	6
Evangelical	69	Unitarian	13
Friends	29	United Brethren	151
Gospel	1	United Presbyterian	48
Greek	2	Universalist	25
Gregorian	2	None Given	262
Interdenominational	1		

OCCUPATIONAL STATISTICS OF PARENTS—1916-1917

Architects	13	Managers and Superintendents...	163
Actors	1	Manufacturers	117
Artisans	73	Mechanical Engineers	6
Artists	4	Mechanics	98
Bakers	10	Merchants	329
Bankers	48	Millers	10
Barbers	15	Miners	10
Blacksmiths	18	Mining Engineers	1
Brewers and Saloonkeepers.....	13	Musicians	2
Brokers	6	Nurses	2
Business Men	16	Optometrists	3
Butchers	6	Painters and Decorators.....	27
Carpenters	64	Photographers	5
Caterers and Cooks	2	Physicians	155
Chemists	6	Plumbers	13
Chiropodists	1	Politicians	2
Civil Engineers	23	Professors and Teachers.....	105
Clergymen	80	Proprietors of Amusement Places	6
Clerks and Accountants.....	141	Public Service	144
Coal Operators and Oil Producers	29	Publishers and Printers	21
Contractors	90	Railroad Employees	184
Dairymen	21	Real Estate	77
Detectives	1	Religious Workers, Y. M. C. A., etc.	14
Dentists	27	Restaurant and Hotel Keepers...	17
Druggists	39	Retired	103
Editors and Writers	22	Salesmen	83
Electricians	7	Shoemakers	2
Electrical Engineers	6	Stationery Engineers	18
Farmers	1241	Stock Dealers	16
Florists	5	Tailors	30
Foremen	52	Tanners	2
Grocers	71	Telegraph Operators	5
Insurance	59	Tinners	7
Janitors	15	Traveling Salesmen	110
Jewelers	20	Undertakers	11
Laborers	32	Veterinary Surgeons	10
Laundrymen	7	None Given	677
Liverymen and Teamsters.....	17		
Lumber Dealers	38		

CONGRESS OF HUMAN ENGINEERING

So far as we know this was the first attempt of the kind in this country. It was largely due to the initiative and perseverance of Professor Dana J. Demorest in cooperation with members of the Engineering Faculty. The program occupied three days, October 26th—28th, 1916, and was full of interest from start to finish. A full report of the Congress has been published for circulation. The University is glad to express its appreciation of its gratuitous service rendered by men occupying official positions in large corporations and by men engaged in important divisions of social service work. Most enthusiastic expressions were frequent among the people attending the Congress and opinion was quite general that a

distinct service had been rendered in promoting a more accurate conception in the minds of students, of employers and of employees as to the human relations that should be maintained and developed in all great constructive enterprises. No convention has been held at the University in many years which appealed to a greater degree to intelligent public opinion. The large attendance throughout the entire program was most gratifying to all concerned.

REPORTS

I submit herewith the annual reports from the several colleges and the report from the Secretary of the Board of Trustees. Attention is directed to these reports for detailed information upon the work of the several colleges and for the statistical information usually sought for by students of University organization. In addition to the above reports the usual statistical reports required by law are submitted.

CONCLUSION

The year has been marked with the usual features and in addition thereto a state of uncertainty as to the attitude of the country in view of the breaking of diplomatic relations and later of the declaration of war. The cooperation of the Trustees and Faculty and students has been of the finest character and the unanimity of sentiment created in view of the world war indicates that if the war should continue, this University will take its appropriate place in the service of the country.

Very respectfully,

W. O. THOMPSON,
President.

REPORT OF THE DEAN OF THE COLLEGE OF
ARTS, PHILOSOPHY AND SCIENCE

President W. O. THOMPSON, The Ohio State University.

DEAR SIR: As Dean of the College of Arts, Philosophy, and Science, I have the honor to submit the following report for the year ending June 30, 1917.

ENROLLMENT

The College enrolled 1630 students (1147 men and 483 women) an increase of 257 over the year 1915-16 and much the largest number in the history of the College. Of the total number, 110 students (30 men and 80 women) were enrolled both in Arts and in Education. The departments showing the largest increase were English, Spanish, Philosophy, Psychology and History. Provision has already been made to meet the demands of these departments for additional teachers, so far as this can be done amid the uncertainties of the times.

ADMISSION

The state law requiring us to admit to the Freshman class, without conditions, graduates of standard first-grade Ohio high schools has caused no inconvenience. The number of applicants who under former regulations would have been admitted with conditions but who came in under the new law unconditionally was forty-one in 1915-16 and only about half that number in 1916-17. The only serious deviations from traditional standards of preparation are furnished by graduates coming from the commercial courses of first-grade High Schools. These are so few that they do not create a problem. Moreover the state board of high school inspectors, which prescribes the conditions under which a high school will be recognized as first-grade, has strongly advocated a minimum requirement in standard subjects for all schools seeking recognition, and the schools are evidently adopting this requirement as a condition of graduation.

LARGE AND SMALL CLASSES

A perplexing problem in every university is how to prevent the multiplication of undergraduate courses that enroll very few students; and how to provide a sufficient number of good instructors for the courses (mainly elementary) that enroll large numbers. There is no doubt that instructors needed for the overgrown classes composed of underclassmen are (for part of their time at least) shifted to higher work after their first year or two of service. The result is a constant demand for more instructors and an inordinate increase of small classes in the upper undergraduate years.

The official reports of instructors for 1916-17 show that in the twenty departments usually elected by students in Arts, Philosophy and Science there were maintained 59 semester courses or sections of courses in which

the enrollment was from one to four students, 104 semester courses or sections of courses in which the enrollment was from five to nine students and 107 semester courses or sections of courses in which the enrollment was from ten to nineteen students. All other classes and sections of classes from twenty to fifty students each.

The list does not include courses with catalogue numbers of 200 or higher and is therefore exclusive of courses primarily for graduate students.

While some of these courses must be maintained, although never likely to grow very much, many of them should either be transferred to the graduate list exclusively, or offered only bienially. This whole matter has been studied by our Executive Committee and definite action will be taken before the next budget is prepared.

QUALITATIVE GRADING

The system of qualitative grading has now been in operation long enough to enable us to judge of its efficiency. Under this system a student in order to be graduated must earn 120 credit points. For each hour of the grade Merit he receives two credit points; for each hour of the grade Good, 1.2 credit points; for each hour of the grade Average, 1 credit point; for each hour of the grade Passed, .8 credit point and for lower grades, no credit points.

The system provides that any student who for two consecutive semesters fails to earn credit points amounting to at least 80% of the hours carried ceases to be a member of the University; and that any student who, having taken 90 hours shall not have earned 72 credit points or more, ceases to be a member of the University. These two provisions have operated to raise the standard of work by eliminating those students who have proved themselves unequal to the demands of a college course.

PUBLICATIONS AND RESEARCH

As a special bulletin is being prepared covering publication and research in the whole university, it is sufficient for me to report for this College, that more research work has gone forward during the year just past than in any previous year. The results have appeared in the journals and proceedings of the various learned societies, in government reports, and in literary and scientific journals.

WAR MEASURES

In order to fulfil the intention of General Orders 49, the College of Arts, Philosophy, and Science changed its requirements for graduation so as to include, as part of the 120 hours, eight credits for military service during the junior and senior years in addition to the military requirement of the first two years, as advised by the War Department in preparation for the Officers' Reserve Training Corps.

Under the Faculty order of April 17, 280 students of the College of Arts, Philosophy, and Science were excused for the remainder of the college year without loss of credit, on signing a pledge card binding themselves to agricultural service up to August 31. (Later the period of service was reduced by one month).

Under the Faculty order of May 7, 78 students were excused for the remainder of the college year (without loss of credit) for military service.

Under the Executive order of May 14, practically all of the rest of our 932 men students in Arts, Philosophy and Science were compelled to withdraw for the remainder of the year, for the purpose of increasing the numbers in productive industries, or in military service. Most of these students have since entered upon some form of service without reporting the fact to the University. It is to be regretted that we have no means of ascertaining the exact numbers. It is believed, however, that the great majority of those dismissed carried out the spirit of the order.

PUBLIC SERVICES

It is matter of great pride that the members of the instructional force have engaged in such great numbers during the last few months in patriotic services of various kinds. The impulse to serve in any useful manner that seemed possible has been very general. It would be impossible to enumerate in detail all of the work that has been undertaken by our professors and instructors for the good of the country. It is sufficient to note the fact as evidence of the continuous devotion of our higher institutions of learning and of their eagerness to make sacrifices in a good cause when ever sacrifices are necessary.

J. V. DENNEY,
Dean.

ANNUAL REPORT 1916-17 COLLEGE OF DENTISTRY

The College of Dentistry completed its third year with considerable satisfaction. Our change last year to a four-year course (University of Minnesota also making this change) has had a decided influence upon the new dental curriculum of four-years throughout the country. Minnesota occupies a field to itself, so that its change to four-years could hardly be other than successful. In our case, however, surrounded on all sides by other institutions offering the three-year course, success meant a decided vindication in our belief that the dental profession would uphold such a change. Thirty nine freshmen, a much larger number than expected, meant much to ourselves and there is no doubt meant much to all other dental institutions still uncertain in the wisdom of such a change. By final action taken last winter by several bodies identified with dental education, the four-year course will be given in all colleges, commencing this fall. An effort coming from Tulane was made this spring to return to the three-year course, the war being used as an excuse, but this retrograde movement was most thoroughly squelched.

At the commencement of the 1916-1917 session our college became somewhat involved in the troubles of the Western Reserve University, and its so-called dental school. As you were at that time familiar with this situation I only refer to it to call your attention to the final outcome. The stand we took to help rather than knock, has, I hope, helped somewhat to clarify the atmosphere so far as dentistry is concerned, in Cleveland. No doubt our friendly attitude has had much to do with the selection of Dr. Frank M. Casto, of Cleveland, a graduate in dentistry and medicine from our University, as Dean of the really new School of Dentistry of Western Reserve University; the Board of Trustees deciding a few months ago to take over the Western Reserve Dental School Company.

There have been no changes in the teaching force, nor do we contemplate any this year, other than to take care of positions temporarily vacated by a few of our faculty who may be called out into service in the Officers' Reserve Corps, Dental Section. Two or three of our younger members, instructors in laboratories and clinic, are members of the Officers' Reserve Corps, Dental Section. In these cases I have advised such action believing their experience would have a future value. Should they enter the service, I shall confer with you concerning the best way to temporarily take care of their college work.

As usual our instructors have been active in the various district, state, and national dental societies with appropriate papers and clinics, more than thirty such occasions being recorded.

The list of our student body has been as follows: Freshman—39; Sophomores—10; Juniors—77; and Seniors—45; with a total of 178. Withdrawals during the year as follows: lack of scholastic standing, Fresh-

men—5; Sophomores—0; Juniors—1; Seniors—1; other causes, Freshmen—2; Sophomores—0; Juniors—3; Seniors—1; leaving in attendance at the end of year—164.

Our clinic receipts were seven hundred dollars (\$700) over the receipts of 1915-16; comparing as follows, 1915-16—\$6,835.42 and 1916-17 \$7,542.60. The various types of work being:

Gold fillings	1150
Gold inlays	500
Amalgam fillings	2100
Porcelain and Cement fillings	375
Crowns, Gold and Porcelain	375
Bridges	110
Plates	242
Prophylaxis (Pyorrhea, etc.)	625
Exodontia and other surgical procedures	520

Also a very pleasing feature of our work has been the care of two hundred and seventy-nine little patients in the dental clinic at the Children's Hospital. Dr. C. H. Hebble and myself arranged a course of work whereby one of our senior students (each in turn once a week) would spend each afternoon at the Hospital. We sent out one of our chairs and Mr. H. G. Fitzgerald, dental dealer, furnished a cabinet of instruments. Dr. Hebble gave this clinic almost daily attention after 4 P. M. with an intense interest, having both the hospital clinic and the children's interest at heart. We have also maintained our clinic at the county orphanage on Friday afternoons, under the careful supervision of Dr. D. P. Snyder; four juniors participating in each trip. The Godman Guild, Girl's Industrial Home, and other places are now asking for our services. Should we be able to do so, we will add one or two more outside clinics to our work this fall. During the summer we maintained a dental office at Camp Johnson, taking care of several hundred children and their mothers.

It may be of interest to note that there was no dental service rendered by the State of Ohio at Camp Willis last summer, so that our offer to take care of all immediate cases, led to several hundred Ohio National Guardsmen receiving at our office the services of both demonstrators and students.

Dr. H. V. Cottrell and H. S. Shumway have made and placed in an appropriate place in the Freshman Laboratory a complete set of all technic pieces in Prosthodontia or Plate work. Eighteen types of plate work are involved with one hundred and eight separate pieces. The cost of material (paid by our clinic scrap material) approximated one hundred and fifty dollars (\$150.00). This work was done principally by Dr. Shumway, directed by Dr. Cottrell, and entailed many long hours during the past two years. Such work manifests a love of the teaching side of dentistry.

Several changes will be made this summer which will materially aid us in our practical instruction. A small X-ray machine has been purchased and will be installed in an appropriate place near the clinic room. This machine will be used principally for technical training, as we shall still make use of the large plant for diagnostic purpose. Ten new operating chairs will be added in the west end of the locker room. This will help to take care of the senior class next year, as it will be a much larger class than we have ever had. We also purchased from the University of Minnesota two Steam Sterilizers for the dental clinic.

The College of Dentistry, Ohio State University; The College of Dentistry, University of Illinois; and the Dental School of Northwestern University were invited last winter to join the American Universities Dental Faculties Association. This we have complied with. The other members are Harvard, Pennsylvania, Michigan, Minnesota, Washington, (St. Louis) Iowa, and California

Owing to the war situation we have enlarged our summer clinic work, featuring somewhat, dental methods in war service. All of our teaching force are giving a certain amount of time each week. Eleven of our seniors were given early license examinations and are now members of the Officers' Reserve Corps, Dental Section.

Seven members of our faculty attended the American Institute of Dental Teachers, held in Philadelphia the last week of January; Drs. W. C. Graham, C. H. Hebble, R. B. Wiltberger, C. W. Strosnider, H. S. Shumway, E. W. Martindale, and H. M. Semans. Dr. C. H. Hebble was re-elected Master of Exhibits. Proceedings of this meeting appended.

Respectfully submitted,

HARRY M. SEMANS,

Dean.

REPORT OF THE COLLEGE OF ENGINEERING

To the President of the Ohio State University:

As Acting Dean of the College of Engineering I have the honor to submit my report of the college for the year ending June 30, 1917:

ENROLLMENT

The enrollment for the year was 960, classified as follows:

Architecture	74
Architectural Engineering	30
Ceramic Engineering	78
Chemical Engineering	177
Civil Engineering	160
Electrical Engineering	205
General Engineering	10
Mechanical Engineering	172
Mine Engineering	40
Short Clay Working	2
Short Industrial Arts	5
Short Mining	0
Special	7
Total	960

This number shows an increase of seventeen over the enrollment of last year.

GRADUATES

The number of students receiving their degrees at Commencement or during the year is 117, classified as follows:

Bachelor of Architecture	13
Bachelor of Ceramic Engineering	10
Bachelor of Chemical Engineering	17
Bachelor of Civil Engineering	26
Bachelor of Electrical Engineering	21
Bachelor of Mechanical Engineering	21
Bachelor of Engineering in Mining.....	6
Bachelor of Engineering	3
Total	117

FACULTY

At the beginning of the year William J. McCaughey was promoted to the position of Professor of Mineralogy. During the year Professors Frank A. Ray of the department of mine engineering and F. C. Blake of the department of physics were absent on leave. Assistant Professor H. E. Nold was elected to fill the vacancy in the department of mine engineering caused by the resignation of Assistant Professor W. H. Minor. Assistant Professor Nold also acted as head of his department in the absence of Professor Ray.

EXCHANGE LECTURESHIPS

During the past year we have exchanged lecturers with Purdue University, University of Michigan and Case School of Applied Science.

Professor Arthur S. Watts of the department of ceramic engineering exchanged with Professor Charles Francis Harding of the department of electrical engineering of Purdue University.

Professor James R. Withrow of the department of chemistry exchanged with Professor Albert William Smith of the department of chemistry of Case School.

Professor John Robin Allen of the department of mechanical engineering of the University of Michigan spent a week at Ohio State University, but Professor Dana J. Demorest of the department of metallurgy of this institution was prevented from delivering his series of lectures at the University of Michigan by the disturbed situation at that institution caused by the war.

Each series of lectures extended over a period of five days, or a week. At this institution there were held at 4 o'clock and were open to the public. They were attended mainly by the junior and senior students who were most interested in the topics discussed. It is believed that the exchange was a success and deserves to be continued.

THE ENGINEERING EXPERIMENT STATION

President Thompson reappointed Professors F. C. Caldwell and A. D. Cole to serve for three years on the advisory council. The personnel of the advisory council for the year ending June 30, 1917, was

- E. F. Coddington, Acting Director
- F. C. Caldwell for three years
- A. D. Cole for three years
- C. E. Sherman for two years
- J. R. Withrow for two years
- W. T. Magruder for one year
- D. J. Demorest for one year

The Board of Trustees granted \$1,000.00 from the equipment fund to the experiment station. The advisory council distributed the most of this fund among those departments needing special equipment to prosecute practical research problems. The experiment station will not be able to accomplish very much until it has an annual fund of \$15,000 or more with which to employ men to do research work in the various fields of engineering and to publish the results of their investigations. There are a number of investigations now completed and available for publication as experiment station bulletins if the funds were at hand to publish them.

NEW EQUIPMENT

A refrigeration plant for experimental purposes has been installed in Robinson Laboratory during the past year at a cost of more than \$5,000.00.

While this plant is not entirely completed, it is already being used on two important research problems. Professor Edward Orton, Research Professor in Ceramic Engineering, is directing one of them. This work is being done by Ellsworth P. Ogden, E. M. in Cer. Engr., 1905. The other investigation is a study of the effect of freezing on road materials and is being conducted by A. S. Rea of the Testing Laboratory of the State Highway Department.

An experimental brick kiln of commercial size has been constructed for the department of ceramic engineering in the rear of Lord Hall at a cost of more than \$2,000.

Both of the above mentioned installations will afford excellent opportunities for study in many fields of industrial problems and it is to be regretted that the engineering experiment station is not in a position to make more complete use of them. It is not expected, however, that either one of them will remain idle for any length of time.

THE WAR EMERGENCY

About May 1st all male students of the University were given the opportunity of entering military or agricultural service without losing credit for that part of the semester's work which was of passing grade at the time of the students leaving the University. One hundred and thirty-nine students from this college took advantage of this opportunity. These students were classified as follows:

MILITARY SERVICE

Freshmen	5
Sophomores	10
Juniors	12
Seniors	7
Total	34

AGRICULTURAL SERVICE

Freshmen	54
Sophomores	34
Juniors	16
Seniors	1
Total	105

NEEDS FOR THE FUTURE

The appropriation of \$85,000 for an addition to the chemistry building will offer temporary although not complete relief to the department of chemistry. The present war is emphasizing the importance of chemistry in the industrial world and it is important that the industrial chemistry department receive accommodations which will enable it to work to a maximum of efficiency. It is to be hoped that the new addition will be completed in the near future.

After the addition to the chemistry building, the most vital need of the

College of Engineering is an addition to Brown Hall. The following is taken from the report of President W. O. Thompson to the Governor of Ohio for the year ending June 30, 1909:

"Brown Hall, now used for civil engineering, architecture and engineering drawing was constructed at a cost of \$80,000 (in 1903). At the time it was expected that this building would soon need enlargement. There are now more than 800 students studying engineering drawing. The building also provides for the work in architecture and civil engineering. Economic administration requires that the students in engineering drawing should all have their work in one building. At present this is impossible."

The above is a description of the conditions as they existed nine years ago and it is needless to state that the situation has not improved. At the time Brown Hall was constructed there was in the department of engineering drawing two instructors and two hundred and sixty-six students. During the past year there were nine instructors and nine hundred and sixty-nine students working in the same space. This has been done by doubling upon lockers and adding more tables. Professor French says, "I do not know of another department on the campus that has been forced for thirteen years to carry its equipment back and forth daily from one building to another as this department has." During the past year the cement testing laboratory of the department of civil engineering has been crowded out, which requires a second department to carry on its work in two buildings.

The number of students enrolled in the department of architecture has doubled since the above quotation of the President was written which renders the situation almost intolerable for that department. In their drawing room the tables are placed so close together that the instructor has difficulty in passing between them. The work in photography is also very much handicapped by lack of laboratory space. Some of their floor space has been given over to the use of the State Highway Department. It was not intended to accommodate this department in the building when Brown Hall was constructed.

In the addition to Brown Hall it is planned to provide a permanent home for the department of mechanics. Conditions in Lord Hall are becoming such that it will soon be desirable, if not imperative, that their department be given new quarters. Owing to the close relation existing between this department and that of structural engineering it is appropriate that the two departments be located in the same building and immediately adjacent to each other. It is planned to secure a column testing machine of large capacity for the joint use of the two departments.

It will probably be desirable in the near future to move the office of the College of Engineering to some more appropriate quarters. The present space occupied by this office was not intended for this purpose, and this arrangement is a matter of chance rather than design. It is

thought that an appropriate permanent home for this office could be provided in the new addition to Brown Hall.

It is to be hoped that an appropriation for this addition may be granted by the legislature and approved by the Governor at the session to be held in 1919.

In conclusion, I wish to acknowledge the co-operation given me during the past year by the members of the faculty of the College of Engineering.

Respectfully submitted,

EDWIN F. CODDINGTON,

Acting Dean.

REPORT OF THE COLLEGE OF HOMOEOPATHIC MEDICINE

DR. W. O. THOMPSON, *President, The Ohio State University, Columbus, Ohio.*

DEAR MR. PRESIDENT: I take pleasure in presenting the report of the College of Homoeopathic Medicine for the year ending June 30, 1917.

The outstanding work of the year has been in connection with the completion and occupancy of the new Hospital building. Its effect upon the College as a clinical teaching institution has been to place us in an excellent position to do work for our students and those patients coming to us. Such hospital facility has given us immediate recognition by the Pennsylvania Medical Board and an increased rating by the Council on Medical Education of the American Medical Association who have inspected the College.

The number of patients treated for the year has doubled that of the previous year and the income has correspondingly increased.

Since entering the new Hospital, the old building has been completely renovated and adapted for maternity uses on the second floor and for children on the first floor. The second floor has been completely isolated from the first by means of a partition in the upper hall. There is also provided an emergency stairway from the second floor.

This provision is a protection in case of an outbreak of contagious disease in the children's department.

The University Hospital has now a total capacity of 87 beds in both buildings. So soon as we can provide a capacity of 100 beds we shall be able to meet all requirements for a teaching hospital. Our present clinic gives ample material for the numbers in our classes at the present time.

The out-patient clinic of the Hospital is constantly justifying the possibility of a clinic on the Campus. It has indeed already outgrown our accommodations for the care of out-patients. An average of 40 out-patients per day present themselves for treatment.

Despite the crowded and unsatisfactory quarters in the past, our maternity clinic is rapidly increasing. The past year thirty-three mothers have been provided for against seventeen for the previous year. We have every assurance from the city charities that all the patients we can care for will be provided.

The character of the teaching in the College has improved during the past year. Our Faculty has passed through its period of organization. The work is now classified and our students are those who have had their whole course in this University. The Senior Class graduated in June made a splendid showing before the Medical Board. Dr. J. G. Whitacre with an average of 90.5 per cent was the second high man of all those taking the Ohio Medical examination. The average for the class was 84.37 per cent.

The increase in requirements to two years of college work, together with the newness of the College in Columbus and the State University re-

duced our entering class to two first year students. Two other men were entered as special students owing to conditions in the required sciences. A number of pre-homoeopathic medical students are in the University and the outlook for fall registration is good.

The College has benefited by gifts during the past year. Mr. C. F. Kettering, of Dayton, who has taken such a keen interest in the College, gave \$10,000.00 to be used for the development of the Department of Materia Medica and Therapeutics. This splendid gift has made it possible to place this Department in the forefront among Homoeopathic Colleges. Professor Hinsdale, during the year, has made a valuable contribution on *Lycopus Virginicus* which was presented before the American Institute of Homoeopathy.

The Women's Homoeopathic League of Ohio has been organized with the object of promoting interest in Homoeopathy among the laity and financial aid to worthy students desiring to study in this College. The League has already over \$300.00 and expects to secure \$1,000.00 for the present year. Mrs. L. C. Laylin is the President.

The assurance that funds will be provided for the erection of a science building for the College gives us great hope for the future. Such a building will unify our didactic and laboratory work of the clinical years and will make possible the prosecution of research work which is now being done at such great disadvantage. It will provide for an adequate out-patient department. With the completion of the proposed building our equipment for the clinical side of our College will be second to none.

We are now at the task of organizing our Training School for Nurses. Provision is made in the present budget for adequate trained nurses as instructors. Miss Lois Campbell has been selected as Principal of the Training School and Supervisor of Nurses. This addition to the nurses force gives opportunity for Miss Harrod to devote her whole time to the superintending of the Hospital. Miss Lelia McGuire has been recommended by Miss White to the new position of Dietitian. Miss McGuire has been Assistant in the Department of Home Economics and comes well prepared and enthusiastic over the work. The provision for thirty student nurses should care for our clinics for the present.

The great need of the nurses is for an adequate home. The training of a nurse is so strenuous and of such a nature as to demand comfortable living quarters. Our nurses have been greatly crowded and poorly housed. Under the present crowded condition we can only possibly accommodate twenty-nine nurses including our graduate teacher nurses. Our budget provides for a total of thirty-seven nurses and teachers who must be housed.

The University Hospital is providing for the hospital needs of the aviation school now on the Campus. This includes immunization treatment against typhoid fever and para-typhoid, also for smallpox vaccination. There is in addition, daily service for the various ills of the aviators. We are glad of the opportunity of rendering this service and will be glad to continue so long as the aviation work continues in the University.

During the past year every member of the Faculty has contributed scientific articles to the Medical Journals of the country. Papers and addresses have been presented to numerous local, state and national societies by the teaching force.

At the present time, negotiation is under way whereby it is hoped that the College may do its part in the great War. The Universities of Michigan, Iowa and Ohio are uniting with Chicago in the formation of a Base Hospital Unit. Already five hundred Homoeopathic physicians have entered the service. Base Hospitals have been granted to Boston, New York and Philadelphia.

Following is a summary of the clinical report of the Hospital with reports from the various clinics:

Some facts gathered from the reports of the University Hospital for the past year are of interest.

Every county of the State contributed patients; twenty-six States represented and fourteen countries.

The Hospital was of service to an average of seventy patients each day of the year.

Over thirteen hundred students of the University received treatment in the Hospital.

Over two thousand patients other than students were treated.

The death rate of the Hospital for the year was one and one-half per cent.

Total hospital days of In-patients by months:

1915-1916		1916-1917	
July	443	July	341
August	433	August	341
September	554	September	473
October	652	October	544
November	647	November	624
December	561	December	615
January	590	January	866
February	718	February	1209
March	605	March	1478
April	666	April	1274
May	585	May	1307
June	520	June	1089
Total	6874	Total	10171

REPRESENTATION BY COUNTIES

1915-1916—In-patients	56	Out-patients	85
1916-1917—In-patients	74	Out-patients	87

REPRESENTATION BY OTHER STATES AND COUNTRIES

1915-1916—States	18	Countries	8
1916-1917—States	26	Countries	14

OHIO STATE UNIVERSITY STUDENT PATIENTS

1915-1916—In-patients	83	Out-patients	736	
1916-1917—In-patients	506	Out-patients	801	
Total In-patients	589	Out-patients	1537	2126

CHARITY PATIENTS

1915-1916	89	
1916-1917	73	
Total	162	

TOTAL NUMBER OF PATIENTS

1914-1915—In-patients	209	
1915-1916—In-patients	458	
1916-1917—In-patients	956	
Total No. In-patients	1623	1623
1914-1915—Out-patients	703	
1915-1916—Out-patients	1585	
1916-1917—Out-patients	2345	
Total No. Out-patients	4633	4633
Total No. of patients treated in Hospitals.....	6256	
Total No. of patients treated at Dispensary	134	

CASH RECEIVED

1914-1915	\$ 2,309.96	
1915-1916	6,796.46	
1916-1917	10,484.26	
Total	\$19,590.68	

Respectfully submitted,

CLAUDE A. BURRETT,

Dean.

REPORT OF THE COLLEGE OF MEDICINE

President W. O. THOMPSON, The Ohio State University, Columbus, Ohio.

DEAR SIR:—I take pleasure in transmitting herewith the Annual Report of the College of Medicine for the year 1916-1917.

Introduction

In the spring of 1916 the Faculty of the College of Medicine was completely reorganized. Nine departments were established as follows: certain departments (i.e., Bacteriology and Physiology) in the University were combined with similar departments then existing in the College of Medicine:

Department of Anatomy

Department of Physiology, Physiological Chemistry and Pharmacology

Department of Pathology

Department of Bacteriology

Department of Surgery and Gynecology

Department of Medicine

Department of Obstetrics

Department of Ophthalmology and Oto-Laryngology

Department of Public Health and Sanitation.

The Departments giving instruction in the fundamental medical sciences, such as Anatomy, Physiology and Bacteriology as well as the Department of Public Health and Sanitation, also give instruction in other colleges of the University. It should also be mentioned that the work in materia medica and prescription writing is given by the Department of Pharmacy in the College of Pharmacy.

The Faculty during the academic year of 1915-16 was composed of 117 professors, assistant professors, instructors and assistants. The Faculty for the academic year of 1916-1917 was reduced to 70 professors assistant professors, instructors and assistants.

The Annual Budget of the College of Medicine in 1915-16 was approximately \$78,000 including salaries, current expense and equipment. The Budget for 1916-17 covering the same items was approximately \$100,000. During the year of 1916-17 all members of the Faculty received some compensation. Before that time a large number of the clinical men received no compensation whatever. The salaries paid the majority of the clinical men have been small, but this recognition by the University has given a new interest. It is hoped that the finances of the University will permit further increases. Eventually there should be at least one or two full time instructors in each of the clinical departments.

Many improvements have been made during the last year in the matters of keeping records and case histories in both hospitals and dispensaries. Ward clinics have been maintained in Protestant Hospital,

St. Francis Hospital, and the Children's Hospital. Much more intensive bedside teaching has been done in the wards heretofore.

In the spring of 1917 the clinical teaching was somewhat interrupted by the fact that several faculty members were called for military duty. However, readjustments were quickly made and the work conducted with a very slight loss in efficiency. At the present time eighteen members of the Faculty are engaged in military service.

All arrangements have been made for the work for the Academic year of 1917-18. An increased burden will fall upon various members of the Faculty due to the fact that the Faculty has been reduced to the lowest minimum in order to carry out efficient work. It is our opinion that the increased amount of teaching will be cheerfully done by those members of the Faculty who remain at their posts in the Medical College. This form of service is to be considered as equally patriotic with that service rendered by other members of the Faculty with the military forces.

The following scientific papers have been published by members of the department during the year:

- (a) The Cerebral Ganglia and Early Nerves of *Squalus Anan-
thias*. F. L. Landacre. of Com. Neurology.
- (b) The Identification of Myelomas by Means of the Indophenol
Blue Synthesis. Drs. Forman and Warren. The
Journal of Cancer Research.
- (c) Observations on the Occurrence of Eosinophiles and
Granule Cells of Paneth in the Verniform Appendix
of man. Drs. Warren and Forman. The Anatomical
Record.
- (d) Observations on the Form of Giant cells in Tuberculosis
Dr. Warren. Journal of Medical Research.

DEPARTMENT OF PHYSIOLOGY, PHYSIOLOGICAL CHEMISTRY
AND PHARMACOLOGY.

At the beginning of the year, the present Department was formed by the consolidation of the Department of Physiology of the University proper with the Department of Physiology and Pharmacology, and the Department of Medical Chemistry of the Medical College.

At the beginning of the new regime Dr. Clyde Brooks was appointed Professor of Physiology and Pharmacology and Head of the Department. Other new appointments were Mr. William Irving, as Technical Assistant, and Mr. Bernard Raymond as Assistant in Physiological Chemistry.

The equipment of the various laboratories has been greatly improved and a well equipped shop for the construction, repair and care of apparatus has been added to the facilities of the Department.

A Departmental Library has also been established.

The teaching work has been successfully carried through. There were one thousand and sixty-nine students enrolled in the various courses offered

during the year. The teaching work is regarded as very satisfactory both on the more or less popular courses as well as in the rather highly scientific medical courses.

Research work has been carried on by the members of the staff, by advanced students, and by clinical men using the laboratories.

Eight scientific papers have been published by members of the staff. Several more are ready for publication. As a part of the regular work of the sophomore medical students, each student carried on an original investigation and prepared a thesis on the same. This was found to be an effective training for making them sophisticated scientists.

Research work for the War Department has been successfully carried on in the department. Plans for greatly extending and enlarging this work have been laid.

Experimental work has been carried on in connection with clinical men on the use of non-specific proteins in certain infections; the relation of metabolism to inflammation of the mouth with excessive flow of saliva and other problems.

Inoculation experiments have been carried on with certain pathogenic organisms with the object of obtaining uniform and successful "takes", which would form a reliable test object for use in the quest of chemical specific therapeutic agents.

The preparation of a text-book of physiology from the translation of the German text by Zuntz and Loewy has also been carried on by Professors Brooks and Bleile.

DEPARTMENT OF PATHOLOGY

This Department has just passed through its most successful year. There has been increased activity in all lines of work especially in research.

The teaching of the course in general pathology has been greatly strengthened by the addition of a syllabus and outline in which references upon the assigned topics are made. In the conduct of the course the student is supplied with the syllabus covering a particular topic. He is expected to abstract the references, to study the text and assigned slides upon the topic, after which a quiz is held. In this way, the student is put upon his own resources and is permitted to work out the assignment after his own method being guided only by the suggestions of the instructor. After a rather thorough trial of this method, the results warrant its continued use and it is expected to further strengthen it next year by the addition of brief clinical notes upon the cases from which the slides studied were obtained.

In the Laboratory of Pathology, there have been 826 surgical specimens submitted for examination and 58 necropsies held. From the surgical material, there have been 3000 sections mounted, and from the post mortem material 1200 slides. Aside from these, there have been 40 cabinets mounted of 50 slides each, making 2000 additional slides for

teaching purposes. There have been during the year 156 numbers added to the experimental series from which 1500 slides have been prepared. In the research problems aside from the experimental, approximately 1000 slides have been mounted. In all, some 8500 slides which have been mounted and filed during the year. In addition to the above, 21 eyes have been submitted for examination from which 409 slides have been made and there have been 25 completed histories of eye cases obtained.

Of these eye specimens, 95 photomicrographs have been made, 24 of which have been enlarged and framed. During the year there have been photomicrographs taken of some 100 negatives and 200 lantern slides have been added to the department collection. Added to this, illustrations have furnished 15 papers which have been published from the department during the year, and 100 photomicrographs illustrative of the various phases of the work of the department were enlarged and framed and used as an exhibit at the meeting of the Ohio State Medical Association. This as well as the work upon the eye has been done largely by Doctor Hugger who is deserving of special mention for the manner in which it has been carried out.

Research

Under this head properly come those activities of the department aside from the teaching and more routine clinical work. Most important of these is the publication of articles and the reports of unusual cases. In this field, Doctor Forman has been very active having not only published several excellent articles of his own, but has been able to stimulate members of the clinical staff to report their more interesting cases. In this way, Doctor Foreman has been invaluable to the department, and his loss on military duty will be greatly felt.

I.—Papers suggested and worked out in the department

- 1.—Periosteal Sarcoma of clavicle. Dr. V. A. Dodd
Ohio State Medical Journal. (in press)
Pathological report by Dr. Forman.
Microphotographs by Dr. Hugger.
- 2.—Crystic Dilations of the Appendix. Dr. P. J. Reel
Annals of Surgery, June, 1917.
5 Microphotographs by Dr. Hugger.
- 3.—Krukenberg Carcinoma of the Ovary. Dr. P. J. Reel.
Interstate Medical Journal, Volume XXV, 11, 1917
2 Microphotographs by Dr. Hugger.
- 4.—Diffuse Fibromata of the Uterus. Dr. P. J. Reel.
American Journal of Obstetrics. March, 1917.
4 Microphotographs by Dr. Hugger.
- 5.—Malignant Leiomyoblastomas of Uterus. Dr. Frank Warner
American Journal of Obstetrics. Feb., 1917.
4 Microphotographs by Dr. Hugger.

- 6.—Bronchiogenic Carcinoma. Dr. Frank Warner.
Annals of Surgery, July, 1916.
4 Microphotographs by Dr. Hugger.
 - 7.—Frequency of Association of Carcinoma with Fibroids of Uterus. (Ready for publication) Dr. Frank Warner.
3 Microphotographs by Dr. Hugger.
 - 8.—Renal Tumors of the Rabbit. Dr. Ernest Scott.
Journal Cancer Research. July, 1917.
4 Microphotographs by Dr. Hugger.
 - 9.—Primary Carcinoma of the Larger Bronchi. Drs. Scott and Leist
Medical Record (in press).
3 Microphotographs by Dr. Hugger.
 - 10.—Pathology in its relation to Dentistry. Dr. Scott.
Dental Summary. (in press)
 - 11.—The Identification of the Cells in Myelomas by Means of Indophenol Blue Synthesis. Drs. Forman and Warren.
Journal Cancer Research, Vol. 11. Jan. 1917, p. 79.
 - 12.—Adenomas of the Mammary Gland. Drs. Forman and Means.
Ohio State Medical Journal, March, 1917.
 - 13.—Lymphoblastoma of the Gastro-Intestinal Tract.
II. Lympho-Sarcomas of the Intestines. Dr. Forman.
Proctal and Gastroenterol. 1917, Vol. XI, p. 177.
 - 14.—Tumors in the Dog.
I. Carcinomas of the Thyroid Gland. Dr. Forman and Dr. Reed.
Ohio Journal of Science, April, 1917, p. 177.
 - 15.—Observations on the Occurrence of Eosinophilic Leucocytes and the Granular Cells of Paneth in the Vermiform Appendix of Man. Drs. Forman and Warren.
The Anatomical Record, Vol. XII, No. 4, May 1916, p. 455
- II Lectures and Addresses given by members of the Department during the year
- 1.—The Laboratory in Modern Medicine. Dr. Ernest Scott.
Before the Ohio State Scientific Society.
 - 2.—Pathology in its Relation to Dentistry. Dr. Ernest Scott.
Before the Columbus Dental Society.
 - 3.—Conservation of Life. Dr. Ernest Scott.
Before the Ross County Medical Society, April, 1917.
 - 4.—Renal Tumors. (10 lantern slides) Dr. Ernest Scott.
Before the Ohio Academy of Science
 - 5.—The Mononuclear Leucocytes in Pneumonia. Dr. Earl Hugger.
Before the Ohio Academy of Science.
 - 6.—Origin of the Macrophages in the Exudate in Acute Luncunar Tonsilitis. Miss Hazel Cameron.
Before the Ohio Academy of Science.
 - 7.—Notes on Giant Cell Formation in Tumors, Dr. J. Forman.

Before the Ohio Academy of Science.

8.—Lymphoblastoma Arising in Abdominal Cavity. Dr. J. Forman
Before the Columbus Academy of Medicine

9.—Analysis of 2000 Wasserman Reactions. Dr. C. L. Spohr.
Before the Columbus Academy of Medicine.

III Projected Papers

1.—Case of Myeloma. Dr. Earnest Scott.

(Ready for publication)

2.—Congenital Hydronephrosis. Dr. W. N. Taylor.

4 Microphotographs. Dr. Hugger.

3.—Adeno Sarcoma of the Kidney. Dr. Earnest Scott.

4.—Carcinoma of the Liver in Childhood. Dr. J. Forman.

5.—The Primary Carcinoma in the Liver of a Child.

Drs. Forman and Hattery.

6.—Primary Carcinoma of the Liver. Drs. Scott and Forman.

7.—Repair of Corneal Wound. Dr. Carl Hugger.

(An experimental study, experimental technical work completed).

8.—The Histogenesis of the Hypernephroma. Dr. Ernest Scott.

PUBLIC HEALTH AND SANITATION

This department although of recent organization has had a successful year. Instruction was given in the course in Preventive Medicine in the College of Medicine, in Industrial Hygiene and in Public Health in the College of Commerce and Journalism and in the post graduate courses in Public Health and in Public Health Nursing. Dr. Hayhurst also devoted considerable time to the dispensaries as Medical Director and Dr. Paterson as Director of Social Service. (Special report follows)

The post graduate students graduating in Public Health as M. Sc. in 1917 are now occupying responsible positions as well as the nurses taking the certificate course in Public Health Nursing.

All the members of the department, and especially Dr. Hayhurst, have been active in research. The various members of the department have addressed many scientific societies during the recent year.

SOCIAL SERVICE

This annual report covers the first year of medico-social work undertaken by the Department of Public Health and Sanitation. The medico-social work covers the social service done in the Protestant Hospital and that done in connection with the Park Street Dispensary and the State Street Dispensary. No attempt was made to perform any social service work in connection with the St. Francis Hospital owing to an insufficient number of workers.

The staff of the Medico-Social Service Department consisted of one director of social service work in charge of the general administrative conduct of the entire service; two clerks in charge of record filing; two

graduate nurses detailed by the Columbus Instructive District Nursing Association, in charge of the reception of patients and two graduate nurses enrolled as students in the course in Public Health Nursing Department of Public Health and Sanitation, College of Medicine, who were in charge of the social history records of the patients.

The Medico-Social Service Department conducted (a) Admission Bureaus maintained in the Park Street Dispensary and in the State Street Dispensary. (b) The Social Service Bureaus in each of the above mentioned dispensaries, and (c) The Social Service Bureau in Protestant Hospital.

A—Admission Bureau.

At each dispensary, the admission bureau was in charge of one of the graduate student nurses enrolled in the course in Public Health Nursing. Her duties consisted in taking the non-medical or social history of each *new* patient applying for medical treatment. The assigning of the patient to the graduate nurse detailed from the District Nurses Association; the supervision of the clerk in charge of the records of daily attendance of the medical staff and medical students; of the records of daily attendance of *old* patients; of the proper filing of records in use during the day; and of the proper indexing and filing of the names of all new patients.

At each dispensary, one clerk was on duty to record the daily attendance of the medical staff and the medical students, the re-record indicating the time of reporting for duty and the time of leaving the dispensary; the alphabetical indexing of all new patients; the filing of all history records both social and medical.

The graduate nurses detailed by the Columbus Instructive District Nursing Association (one at each dispensary) were in charge of the reception of new patients; of the guiding of patients to their proper places to receive medical or surgical treatment; of assisting the medical staff whenever their services were needed; and in the visitation of the homes of patients needing special nursing attention which could not be given during dispensary hours.

B. Social Service Bureau.

A social service bureau was organized in connection with each dispensary. These were in the immediate charge of the Director of Social work. The duties assigned to this bureau were to refer patients needing special services which could be more properly rendered them by the other social service organizations in the city of Columbus; securing special appliances prescribed for patients by the medical staff; securing special nursing or other care for patients in their homes; and supervising transfer of patients from the dispensaries to the various hospitals in the city of Columbus.

C. Hospital service.

Hospital social service work was undertaken in Protestant Hospital at the beginning of the semester of the University calendar year. It was

impossible to initiate this particular work at an earlier date owing to the pressing necessity of first organizing the dispensary services. The duties of the service consisted in the home investigation of patients discharged from the hospital who were in need of technical services during the convalescent period following surgical operation or acute medical illness. All investigations were made by the graduate nurses enrolled in the Course in Public Health Nursing. All such investigations were ordered by the chief-of-staff of Protestant Hospital and all reports of such investigations were made in writing to him. From the brief experience gained in this work it seems evident that the establishment of such a service will be productive of much benefit to the patient, the hospital, the medical staff and the students engaged in the work.

The complete realization of the whole Medico-Social Service work undertaken this year can only come with the gradual development of the course in Public Health Nursing. The amount of constructive work to be done in the dispensaries and hospitals is limited only by the number of graduate nurses enrolled as students in the course in Public Health Nursing. Cordial relations have been established with all of the charitable and philanthropic organizations in the city of Columbus. This will mean that the amount of teaching material in the dispensaries and hospitals will steadily increase with a better understanding on the part of such charitable and philanthropic organizations as to the particular field of service which the dispensaries and hospitals can render them. The prompt attention to the patient and his needs in both dispensary and hospital is absolutely necessary to foster the continued usefulness of both these services. This has been the main object in view in the conduct of the work this year and the daily attendance at both dispensaries seems to indicate that the patients appreciate this attention.

DISPENSARIES

The report which follows for the Department of Dispensaries for the college year 1916-17 covers features some of which were evolved and put into practice during this time. The two dispensaries had been maintained on a two and three periods per week schedule during the summer of 1916. During this period, also, extensive building changes had been made at the State Street Dispensary, redecorations at the Park Street Dispensary and some equipment had been installed. The duties of the present Medical Director, Dr. Hayhurst, began September, 1916,

Schedule

Both dispensaries were opened for teaching purposes September 20, 1916. Teaching ceased May 18, 1917. The first semester contained 67 dispensary teaching days, the second semester, 69. Dispensary days were from Monday to Friday, inclusive, except legal holidays, the dispensary doors were opened at 3.00 p. m. In addition to the regular hours during the Christmas, Inter-Semester and Spring Recesses.

Organization

The organization of the staff was maintained as outlined in the Bulletin of the College of Medicine, with the exception of one or two staff members who were absent on military duty at the Mexican Border during the first semester and with the exception of the last few weeks in the second semester when several additional withdrawals took place because of the present military situation. An attendance record was kept of all members of the staff. The immediate clerical work was conducted by one of the clerk-stenographers from the Medical College office, one of whom went to each dispensary and remained from 3.00 to 5.00 p. m. Her designation here was "Dispensary Clerk". A chief-of-staff was in daily attendance at each dispensary, as was also a registered pharmacist. In addition a district nurse supervised all service features in connections with the care of patients and directed the work of the one or two nurses supplied by the teaching hospitals.

Conduct of Patients

Patients were admitted after 3.00 p. m. to the general waiting-room of each dispensary. Those making re-visits reported at once to the dispensary clerk, who, after securing history records from files, passed them on the departments in which they were being treated. "Old" patients were instructed to present themselves before 3:30 p. m. New patients next applied to the dispensary clerk, who after making the proper identification records, referred them to the social service nurse, after which they were directed to the Examining and Assigning Bureau. Here a senior student learned the general nature of their complaints, determined whether they were free from contagious disease, drunkenness or other cause making their presence unsafe or undesirable to the dispensary. They were then assigned to the proper dispensary branch. Here patients were treated in turn according to the serial number on the chart boards bearing their history records—the "old" or former patients first and the new patients later in the daily period. Arrangements were devised whereby any patient might be *referred* from one branch of the dispensary to another (or to the hospital) for consultation or additional treatment, but was to remain with the original dispensary branch; or, *transferred*, to become a future patient of such branch of the dispensary or respective hospital. Patients had their prescriptions filled at the drug-room as they departed. Those needing X-ray examinations or treatment were given a card which admitted them to the roentgenology laboratory the following morning.

Conduct of Students

The senior class, consisting of sixty-eight members, was formed into two divisions, each of which attended one of the dispensaries for one semester. The two divisions interchanged for the second semester. In each dispensary the class was divided into 6 sections, each composed of 5 to 6 students. Each of these sections proceeded from one branch of the

dispensary to another, spending an equal period of time in each. (12 teaching days). Students were required to be present from 3:30 to 5:00 p.m. They registered their names with the dispensary clerk as they entered and left, from which attendance records were compiled. In addition, a class roll-book was provided for the staff physician in charge of each dispensary branch. Students took all histories, made all examinations, wrote prescriptions and gave directions under the supervision of the staff physician in charge. A total of 5 absences or 10 tardinesses during one semester was a basis for a condition. Student attendance, however, with exception of less than half a dozen instances, was very good throughout the year. Each group, as it came to pediatrics, reported at the Children's Hospital Dispensary.

Record System

The name and identification data of each patient was recorded in a day-book, a history "first sheet;" next followed an address card for the alphabetical name file and lastly a card for the patient to retain. Proper blanks were provided for student and staff attendance and for recording re-visits of all patients. The above constituted the entire record system with the exception of a small card used for transferring patients. Every endeavor was made to simplify the keeping of records. Steel chart boards, numbered from 1 to 50 were provided in each dispensary and patients' records were clipped upon these in order as they came for treatment. At the end of the dispensary period these records were returned to the dispensary clerk, who filed them in the cabinets provided.

Quarters

Ample room was at hand at the State Street Dispensary, which, with the improvements of the latter part of the second semester on the second floor, now make these quarters quite ideal. Quarters at the Park Street Dispensary were somewhat over-crowded, particularly in the medical and eye, ear, nose, and throat sections.

Equipment

During the year there has been purchased a considerable amount of new dispensary equipment, such as examining tables, sanitary receptacles, steel cabinets, tables, chairs; also laboratory, diagnostic and treatment apparatus and instruments. An extensive repletement particularly was added to the eye, ear, nose and throat section, and, to a slightly less extent, to the nervous and genito-urinary sections. Supplies were adequate, including the useful and rather rare drugs, "salvarsan" and neo-salvarsan." In each dispensary branch ideal arrangement is to complete equipment of its own. While some approach was made to this in several branches of the two dispensaries, most of the laboratory and all the X-ray work was carried out in the regular laboratories for these purposes.

Patients' Attendance

The figures in the submitted tables represent the actual number of patients seen and studied by the students in the respective dispensary branches and show that for each of the 70 students there was an average of 30 new patients and 85 re-visits, not including the figures for Children's Hospital Dispensary. Transferred cases were not counted as new cases nor duplicated in the re-visits. The proportion of males to females was practically two to one in both dispensaries, being slightly greater in the Park Street Dispensary. There was usually an over-abundance of patients in the medical, eye, ear, nose and throat branches. There was a practically sufficient number of patients in the surgery, genito-urinary and defective speech branches. There was more or less dirth of patients in the women's skin and nervous branches. The fact that there was an average of 3 re-visits to each first visit appears to place the dispensary services in the first-class of American dispensaries, which report upon this feature as a criterion for determining the efficacy and general satisfaction of the dispensary service to those applying for treatment.

PATIENTS' ATTENDANCE AT PARK STREET DISPENSARY

FIRST SEMESTER—(67 Teaching Days):

Month	Med.	Surg.	G-U	E.N.T.	Eye	Skin	Nerv.	Gyn.	Ped.	Visits	Revisits	Total
Sept.	9	20	2	5	19	3	3	0	2	63	89	152
Oct.	25	38	10	19	30	7	1	0	2	132	426	558
Nov.	27	26	11	23	19	0	0	0	3	109	334	443
Dec.	14	15	6	7	18	3	0	1	1	65	238	303
Jan.	25	26	25	34	27	5	1	5	2	140	362	508
Total	100	125	44	88	113	18	5	6	10	509	1449	1958

SECOND SEMESTER—(69 Teaching Days):

Feb.	20	22	7	22	23	4	1	2	4	105	322	427
March	26	27	9	39	39	0	0	4	2	146	504	650
April	26	17	5	46	25	0	1	3	7	130	361	491
May	22	10	7	26	10	4	0	7	0	90	236	326
Total	94	76	28	133	97	8	2	16	13	491	1423	1894
Total	194	201	72	221	210	26	7	22	23	1000	2872	3852

PATIENTS' ATTENDANCE AT STATE STREET DISPENSARY

FIRST SEMESTER—(67 Teaching Days):

Month	Med.	Surg.	G-U	E.N.T.	Eye	Skin	Nerv.	Gyn.	Ped.	Visits	Revisits	Total
Sept.	9	20	12	11	11	0	0	0	3	66	57	123
Oct.	27	39	9	31	42	2	1	6	10	167	408	575
Nov.	38	28	16	32	31	12	2	5	8	170	428	598
Dec.	45	30	15	17	19	1	0	5	0	132	295	427
Jan.	36	33	23	19	42	7	1	4	2	167	400	567
Total	155	148	75	110	145	22	4	20	23	702	1588	2290

SECOND SEMESTER—(69 Teaching Days):

Feb.	41	26	14	9	29	2	1	4	1	127	406	533
March	42	41	27	29	20	2	0	1	0	162	446	608
April	39	27	19	14	14	5	2	1	1	123	313	436
May	14	13	13	14	14	2	1	3	1	75	224	299
Total	136	107	74	66	77	11	4	9	3	487	1389	1876
Total	291	255	149	176	222	33	8	29	26	1189	2977	4166

Respectfully submitted,

E. F. McCAMPBELL,

Dean.

REPORT OF THE GRADUATE SCHOOL FOR THE ACADEMIC YEAR 1916-1917.

DR. W. O. THOMPSON, *President, Ohio State University.*

MY DEAR SIR:—I have the honor to submit the following report relative to the work of the Graduate School of the University during the academic year 1916-17.

NUMBER AND CLASSIFICATION OF STUDENTS

The number of students registered in the Graduate School during each of the six years of its existence, as well as the number of degrees granted each of these years is shown in the following table:

	1911-12	1912-13	1913-14	1914-15	1915-16	1916-17	
1—No. of students	178	219	211	298	244	391	
2—Degrees conferred—							<i>Totals</i>
Doctor of Philosophy	5	1	2	1	3	11	23
Master of Arts	39	48	42	59	70	60	318
Master of Science	8	9	10	15	25	35	102
	52	58	54	75	98	106	443

Of the 391 students registered in the Graduate School, 154 were registered in the Summer Session only. Forty-one of those registered during the first and second semesters were also in attendance during the Summer Session, making a total registration in the Summer Session of 195.

The 391 students registered during the year included the following:

Fellows	11
Scholars	20
Graduate Assistants	53
Members of the instructional force of the University.....	40
In residence at Experiment Station	7
In residence at Miami University.....	1
In residence at Ohio University	0
Others	259
Total	391

The classification of the students, according to the colleges or universities granting the baccalaureate degrees is as follows:

A—	Belmont College	1
Adelbert College	Berea College	2
Adrian College	Bethany College	1
Allegheny College	Bowdoin College	1
Antioch College	Butler College	2
B—	C—	
Baker College	Capital University	5
Baldwin-Wallace College	Catholic Univ. of America.....	1
Baldwin College	Clemson Agr. College	4

<i>C—</i>		<i>O—</i>	
College for Women,		Ohio State University	153
Western Reserve Univ.	1	Ohio University	8
Colorado Agr. College	1	Ohio Wesleyan University	24
Columbia University	2	Otterbein University	18
Cooper College	1	<i>P—</i>	
Cornell University	1	Purdue University	4
<i>D—</i>		Pennsylvania State College	1
Defiance College	7	Princeton University	1
Denison University	4	<i>R—</i>	
Dalhousie University	1	Rio Grande College	1
Dartmouth College	2	<i>T—</i>	
<i>E—</i>		Texas Agr. & Mech. College,	1
Earlham College	2	<i>U—</i>	
Evan. Theo. Seminary	1	University of Akron	2
<i>H—</i>		University of Cincinnati	1
Harvard University	2	University of Chicago	1
Heidelberg College	5	University of Illinois	4
Hiram College	4	University of Oregon	1
Hope College	2	University of Wisconsin	3
<i>I—</i>		University of Missouri	3
Indiana University	1	University of Michigan	2
<i>K—</i>		University of West Virginia,	1
Kansas Agr. College	1	University of Wooster	2
Kansas St. Agr. College,	2	University of Montpelier	1
Knox College	1	University of Nebraska	1
<i>L—</i>		University of Kentucky	2
Lawrence College	1	<i>V—</i>	
<i>M—</i>		Valparaiso University	1
Marietta College	5	Vassar College	2
Mass. Agr. College	1	<i>W—</i>	
Manchester College	3	Waynesburg College	1
Maryland Agr. College	1	West Virginia Wesleyan	1
Miss. Agr. College	1	Western College	1
Miami University	13	Western Maryland College	1
McKendree College	2	Wabash College	1
Muskingum College	4	Wells College	1
Mt. Union College	7	Wellesley College	2
<i>N—</i>		Wilmington College	1
Nanyang College	3	Wittenberg College	4
Nebraska Wesleyan University, ..	1	Wooster College	8
Northwestern University	1	<i>Y—</i>	
New Hampshire College	2	Yale University	1
<i>O—</i>			
Oberlin College	5		
Ohio Northern University	12	Total	391

Excepting our own University, the institution that has sent us the largest number of students is Ohio Wesleyan University. Following Ohio Wesleyan closely are Otterbein College, Miami University and Ohio Northern University.

The classification of students according to the departments in which the students selected their major and minor work is given in the following table:

<i>Major Minor</i>		<i>Major Minor</i>	
Agricultural Chemistry....	11 6	Hist. and Phil. of Educ....	6 10
Agronomy	5 0	Home Economics	2 0
American History	14 11	Horticulture	1 1
Anatomy	4 4	Latin Lang. and Literature	11 2
Animal Husbandry	3 0	Mathematics	10 22
Architecture	0 1	Mechanical Engineering ...	2 1
Art	0 1	Mechanics	1 1
Astronomy	0 1	Mineralogy	1 2
Bacteriology	8 12	Philosophy	4 12
Botany	17 17	Physics	16 9
Chemistry	55 18	Physiology	3 2
Civil Engineering	0 1	Political Science	4 8
Comp. Literature and Lang.	0 1	Prin. and Prac. of Educ....	0 2
Economics and Sociology...	19 17	Psychology	13 42
Electrical Engineering	5 1	Public Health	3 0
English	51 19	Romance Language	15 19
European History	10 16	Rural Economics	8 5
Farm Crops	4 4	School Administration	38 21
Geology	4 1	Soils	4 1
Genetics	0 1	Zoology and Entomology...	22 11
German	17 10	Veterinary Medicine	0 1
Greek Lang. and Lit.....	0 4	Totals	391 318

GRADUATE ASSISTANTS

During the academic years 1916-17, there were fifty-three graduate assistants employed by the University. Of this number, seventeen held a limited number of recitations varying from two to eight weekly. The departments using graduate assistants in this way, together with the total number of recitations held by such assistants weekly in each department, are as follows:

American History (3), Chemistry (4), Economics and Sociology (15), English (26), German (16), Pharmacy (3), Political Science (3), Romance Languages (24), and Zoology and Entomology (2).

In virtually all of these cases, the departments have been forced to assign classes to graduate assistants, because of insufficient instructional force. This does not necessarily imply that the class-room instruction given by the graduate assistants has been of an inferior grade; in fact, I am convinced that in most of the cases the work has been well done. The assignment of regular classes to graduate assistants, however, is a procedure that cannot be justified except in very unusual cases.

It may be added that criticism has been directed against the employment of graduate assistants by the University on the ground that the whole system is really a scheme to secure cheap instructors. As a matter of fact, however, such criticisms are directed against the abuse of the position and might be directed with equal force against the position of instructor or assistant professor. To assign to graduate assistants the duties of an instructor is just as illogical as it is to assign to an instructor

the duties of a professor and equally subject to criticism. It is always true that there are many minor duties connected with the work of certain departments, especially those in which there are registered a large number of freshmen, that can be performed efficiently by graduate assistants. By utilizing such assistants, the University not only opens unusual opportunities to a select group of young men and young women, but at the same time relieves a number of professors of many tasks that can be performed just as efficiently by those of less training and experience. There are still to many professors who spend much of their time in doing work which can be just as effectively done by those of lower rank. No University can afford to employ competent professors and then load them down with work that requires no special skill or training.

UNIVERSITY STUDIES

Undoubtedly the most important regulation passed by the Graduate Council during the present year is that which brought to fruition the establishment of a series of University Studies. The establishment of such a series has been under discussion for more than a year. A committee of the council of which Mr. Hammond and later Mr. Siebert was chairman, made an exhaustive study of this subject and recommended the following action which was approved by the Graduate Council and by the University Faculty:

1. That the Graduate Council be authorized to establish a series of University Studies for the publication of results of original investigation.
2. That the Graduate Council, subject to the approval of the President of the University, be charged with the selection, the editing and the publication of these Studies.

The first series recommended by the Graduate Council is that entitled "Contributions in History and Political Science." The establishment of this series has been approved by the President of the University. The first number in this series will consist of an investigation made by Mr. H. C. Hockett, entitled "Western Influence on Political Parties to 1825." This is now in press.

A number of other researches have been submitted to the Council for consideration. No research is accepted for publication, unless it has the approval of an appropriate committee appointed by the Dean of the Graduate School. There is absolutely no doubt but that the research work done on the University campus is sufficient to constitute a series of Studies that will be a credit to the University.

NEW REGULATIONS PERTAINING TO THE DEGREE OF DOCTOR OF PHILOSOPHY

When the Graduate School was first organized, the Council thought it unwise to encourage candidates to take work leading to the Doctor's degree.

Since the establishment of the School, however, the University has made rapid progress both in the material equipment and in the personnel of its instructional force. This progress has been so marked that at present a number of departments are adequately equiped for work leading to the Doctor's degree. The fact that the University granted eleven such degrees during the present academic year and that the number promises to be larger next year shows that the University has now taken its place along with other state universities offering this higher work. As a result the Graduate Council has given further consideration to the requirements for the degree of Doctor of Philosophy. Two important recommendations have been made during the present year. These, as approved by the University Faculty, are as follows:

1. All dissertations for the Doctor's degree shall receive the approval not only of the instructor under whose direction the work is done, but also that of a special committee appointed by the Dean of the Graduate School, after consultation with the professor in charge of the major work, to consider each individual dissertation.
2. Each candidate applying for admission to candidacy for the degree of Doctor of Philosophy must pass a preliminary examination conducted by the committee in charge of the candidate's course of study. Admission to candidacy for the degree shall be dependent upon the result of the examination. This examination must be passed not later than October first of the academic year in which the degree is sought.

It is hoped that the preliminary examination provided for under the second recommendation will accomplish at least two distinct ends. (1) It will enable the committee in charge of each candidate's work to decide as to the candidate's fitness for continuing his work towards the Doctor's degree. (2) It will give the candidate some experience in taking oral examinations as well as some general idea as to the nature of the major examination which he will have to take upon the completion of his course.

It is the hope of the Graduate Council that appropriate stress will be placed upon this preliminary examination. If the candidate has completed his minor work, then the examination may be final so far as this work is concerned.

APPROPRIATION FOR RESEARCH

The following special appropriations were made for furthering the reseach work carried on by certain members of the instructional force:

Professor Samuel J. Barnett, \$300.00. This sum was spent for the construction of special apparatus used by Professor Barnett in his investigations on "The Magnetization of Iron, Nickel and Cobalt by Rotation and the Nature of the Magnetic Molecule." This investigation is of fundamental importance. The results have been presented to the American

Physical Society and have attracted universal attention among physicists.

Professor Frederick C. Blake, \$155.00. This sum allowed in three different grants of \$80.00, \$25.00 and \$50.00 respectively was spent in securing assistance for Mr. Blake in carrying out his researches on the values of the dielectric constants of various dielectrics. The results have been described in three different articles and throw a great deal of light upon the question at issue.

Professor George F. Arps. \$58.00. This sum was used for the following purposes:

- (1) A construction of a special projection apparatus used in an investigation of "The Analysis of the Eccentric Projection of Touch Complex."
- (2) The reconstruction of an achromatic light box used in a research on "Discriminative Efficiency of Rectangular Areas Illuminated by Chromatic Light."
- (3) Repair and calibration of focal variator which was used in an investigation on "The Perceptual Limits for Certain Pictorial Stimuli."

These problems are of great interest to students of Psychology and satisfactory progress has been made towards their solution.

Professor Wilbur A. Siebert, \$100.00. This sum was used in securing assistance for Professor Siebert in collecting and classifying details connected with his researches on certain questions pertaining to the history of Loyalists.

Professor W. J. McCaughey, \$375.00. This sum was used in purchasing a specially constructed microscope which was required by Professor McCaughey in his investigations upon stresses in steel and similar problems.

Of course the above sums include only a small amount of the total expenditure for research work, since more or less of the regular appropriations are utilized for apparatus used primarily for research work. My experience has led me to the very definite conclusion that more efficient results could be obtained by setting aside a certain sum to be used definitely for research work, appropriations to be made from this by the President of the University upon the recommendation of the Graduate Council. This method of procedure would have the following advantages:

- (1) No member of the instructional force would ask for appropriations from this fund, unless he had before him a definite problem for investigation.
- (2) Special appropriations being made in individual cases, the investigator would take his work more seriously. He would know that his work was being watched as well as encouraged, and that he would be called upon to render some account of progress made.

- (3) The plan would make it possible for the Dean of the Graduate School to keep in touch with important investigations and place him in a position to render assistance whenever needed. It is because of these reasons that I have asked that a definite sum be set aside in the budget to be used for furthering research work.

GRADUATE WORK IN THE COLLEGE OF MEDICINE

The Graduate Council authorized the appointment of a committee to consider the relation between the College of Medicine and the Graduate School. This committee made the following report, which was adopted by the Council:

"That of the courses offered in the first two years of the College of Medicine, those courses not strictly technical in nature and not now offered wholly, or in part in the Graduate School, be listed as courses 'For Advanced Undergraduates and Graduates' in the Graduate bulletin."

In accordance with this resolution, courses are now offered in the Graduate School bearing upon the general subject of Anatomy, Pathology, Physiology and Physiological Chemistry, in addition to the courses included in Public Health and Sanitation.

There is no fundamental reason why the graduate courses should be restricted to these subjects. Certainly there is great opportunity for research work in such subjects as Surgery, Ophthalmology and Medicine.

The Medical School is making rapid progress and there is no doubt but that it will soon be able to offer graduate work along these additional lines.

PUBLICATIONS BY THE MEMBERS OF THE INSTRUCTIONAL STAFF OF THE GRADUATE SCHOOL

On May 17, 1917, I sent to each member of the instructional force of the Graduate School a request for a statement of all articles and books published during the current academic year that come under the following heads:

- A. Articles describing the results of original investigation.
- B. Articles consisting of mature discussions of important subjects. This list should not include articles that are primarily statements of facts printed not as original discoveries but for wider dissemination of the knowledge contained in them.
- C. Important book reviews.
- D. Addresses delivered before learned societies.
- E. Books.

In response to this request, I received replies from 58 members of the staff. A study of these replies shows that the publications by the members of the instructional staff are steadily increasing both in character and volume.

I am submitting a list of these publications as a supplementary report, I trust that this list may be published in the form of a bulletin.

In conclusion I wish to express my appreciation to you, Mr. President, as well as to the members of the Graduate Council and to all those members of the instructional force interested in graduate work, for their hearty co-operation in helping to upbuild the Graduate School. I am especially indebted to Professors Kuhn and Ingraham for their untiring assistance in performing the onerous duties of Secretary.

Respectfully Submitted, .

WILLIAM MCPHERSON,
Dean of the Graduate School.

REPORT OF THE HEALTH SERVICE DEPARTMENT.

President WM. O. THOMPSON, The Ohio State University.

MY DEAR SIR:—I have the honor to submit the following report of the Student Health Service for the college year ending June 30, 1917.

This Service furnishes free emergency medical advice and treatment to students only while they are on the campus during the class hours.

Every case is first considered from the view point of preventive medicine and considerable time is spent giving each patient hygienic and protective advice to cover his individual case.

It is the policy of this service, in all cases of outside calls for medical attention, to determine first if the patients have any choice of physicians, if not the calls are referred to local physicians in whom the service has full confidence.

The Director of the service does not make calls, or treat students outside of class hours.

1687 Individual Students were treated as follows:

First Semester	1087
Second Semester	983
	<hr/>
	2070
Duplicates—Students treated both First and Second Semester	383
	<hr/>
Total Individual Students	1687

INDIVIDUAL STUDENTS TREATED

Report by Classes:

	First Semester	Second Semester
Freshmen	498	363
Sophomores	362	323
Juniors	116	153
Seniors	89	95
Graduates and others	22	49
	<hr/>	<hr/>
	1087	983
Treated both Semesters		383
		<hr/>
		600 1687

Report by Colleges:

	First Semester	Second Semester
Arts	295	317
Engineering	272	250
Agriculture	232	252
Short Agriculture	83	....
Education	30	25
Veterinary	24	22
Law	18	28
Pharmacy	18	11
Commerce and Journalism	15	26

Education	12	5
Dentistry	10	12
Instructors	7	15
Employees	7	6
Optics	4	1
Not listed	60	13
	<hr/> 1087	<hr/> 983
	Duplicates	383
		<hr/> 600
		1687

Number of Office Calls:

First Semester	2630
Second Semester	<hr/> 2309
Total	4939
Average daily Office Calls, First Semester.....	26
Average daily Office Calls, Second Semester.....	24

A large number of students were treated for more than one ailment and quite a few self-supporting students were treated more than once for the same ailment.

During the First Semester 349 were given emergency treatment and referred to other physicians, dentists, etc. 314 were referred during the Second Semester.

315 men were examined for the Officers' Training Corps.

A special class in First Aid to the Injured was conducted by this Service during the latter part of the Second Semester.

Full 60 % of the students who used the Service this year were members of the three upper classes.

We have had no epidemics this year.

Very truly yours,

H. SHINDLE WINGERT, M. D.,
Director of Student Health Service.

REPORT OF THE
DEPARTMENT OF PHYSICAL EDUCATION

DR. W. O. THOMPSON, *President, The Ohio State University.*

DEAR SIR:—I have the honor to submit herewith my report as Head of the Department of Physical Education for the year ending June 30th, 1917.

The Department embraces the following divisions and activities:

- I Required work in Physical Education
 - a—For Men in Freshman Class
 - b—For Women of Freshman and Sophomore Classes
- II Elective work—Normal in Character—College of Education.
 - a—For Men
 - b—For Women.
- III Intramural Athletic Activities.
 - Optional. Organized and promoted by the Department for educational and recreational benefits.
- IV Intercollegiate Athletic Activities.

Enrollment

The number of students in the Department has kept pace with the growth of the University. Within the first month of the current year over 1300 men were given a thorough physical examination. In addition to this all candidates for Intercollegiate teams were examined before competition was allowed.

Staff

In September Dr. J. H. Nichols took charge of the Gymnasium in respect to the required work for men and the physical examination of all male students in any way involved in Department activities. The remaining members of the staff were the same as last year.

The early completion of the large number of physical examinations and the thoroughness of the work was made possible by the generous assistance and cooperation of the College of Medicine and the College of Homeopathic Medicine.

Dr. Philip J. Reel and Dr. George B. Faulder assisted Dr. Nichols in examinations. Dr. Carl Spohr and his assistants in the College of Medicine made the analysis of urine.

Department Activities

Brief reports are included below for the men's Division—Required work—by Dr. Nichols and for the Women's Division by Miss Meyers. Reports are also included for Intramural and for Intercollegiate Athletic work.

Preparation of Teachers

Advance courses in Physical Education have been offered as electives

in College of Education for the first time this year. Such work meets a pressing need in the educational work of the State. There were about twenty students enrolled in this elective work during the year. Additional work is to be offered next year and it will then be possible for the student to "Minor" in Physical Education. A total of twelve credit hours is allowed in this field by the College of Education.

DIVISIONAL REPORTS.

Special reports quite condensed for the different divisions of the work follow:

REQUIRED WORK FOR MEN

Dr. J. H. Nichols reports for the Men's Division of the required work and some related problems as follows:

As organized at the present time, Physical Education is required of freshmen for one year, two hours each week. A third hour, for instruction in Hygiene, had been planned for the first semester, but, most unfortunately, had to be given up.

The Department work falls naturally into the following divisions:

- A. Work of the Department proper.
 - I Administration
 - II Physical Examinations
 - Freshmen
 - Athletes
 - Special
 - III Instruction in hygiene
 - IV Prescribed Physical Education
 - Physical Efficiency Test
 - Elective System
 - Swimming Test
- B. Related Problems.
 - I Medical Advise to Students
 - II Emergency Treatment
 - 1 Treatment of Athletes
 - III Sanitary Conditions
 - 1 Pool

Administration

Our Department is, at the present time, the only one attempting to handle its own registration. The registering of the freshman class, at beginning of each semester, presents a difficult problem. It is necessary to have sections, sufficient in number, to meet the demands of all other Departments.

The registration, attendance keeping, excuse granting and records, have been carefully studied and seem to be more satisfactorily and effi-

ciently adjusted, so that a minimum of time and attention is demanded of the instructor.

A new method of handling absences was instituted. Each student is allowed a maximum of five absences during the semester. No excuses whatever were granted, unless absent from University for a week or more. However, attendance counted in the final grade for the semester and only men who had two or less absences received an "A" grade in attendance. This grade was averaged with the grade in their physical examination, physical efficiency test, swimming test, and hygiene examination, for the final grade.

Men receiving an "A" grade for the semester's work were permitted to elect their course for the second semester from special activities offered. This resulted in the reduction of the number of excuses granted, from 706 for the first semester of last year to 83 for the first semester of this year. The result is a marked increase in the efficiency of the work and a great saving in time and patience in granting excuses.

A new physical examination card—with reference slip and physician's report card—was also adopted, and has added greatly to the effectiveness of this phase of our work.

Physical Examination

During the year a total of 1,678 students have received physical examinations; 1,100 freshmen during the first three weeks of the semester, 185 short agricultural students, the week following; 300 in the various branches of athletics; 20 four-week agricultural students; 30 upper classmen; 15 from military department and 25 students entering the second semester. A complete report of these examinations has been given in a summary of this work. We believe that this field of service is one of great value and importance to the University, and society, as well as to the individual.

Two cases of beginning tuberculosis were discovered; these men were reported to competent physicians and advised to drop out of school for a year. One of them, after a year of careful hygienic and fresh-air treatment, has entirely recovered and will enter school next year. Four cases of beginning nephritis, (Bright's Disease), were discovered by the urine analysis and were referred to physicians for treatment. A large number of men were referred to oculists; nose, throat and ear specialists; dentists and surgeons. These men were given reference slip to the physician or specialist, stating the condition for which the individual is referred. Enclosed in the envelope with slip is the physician's report card, on which he is asked to state the diagnosis, and any further recommendations he may have in regard to the case; this is signed and returned to the medical examiner—thus giving us a check on the individual and greatly aiding in the effort of the University toward health supervision.

When it is realized that a great percentage of these men are from the country, and have never received any sort of a health examination, the vital

importance of such service, at this stage of their life, is apparent. Our aims in the examination may be briefly summarized as follows:

1. To determine the condition of health of each student.
2. To prevent the student from undertaking work for which he is physically and mentally unfitted.
3. To discover diseases and abnormal conditions among the students in their earliest stages, when they are easily curable, and to advise the men who need special corrective and hygienic exercise.
4. To protect the university community against any communicable disease, such as tuberculosis, and venereal diseases.
5. To bring the medical examiner in contact with each student, enabling him to advise and counsel young men concerning all matters of personal hygiene, and in some cases morals. He must be a friendly and kindly advisor and must have the entire confidence of the student.

Prescribed Physical Education

The outstanding feature of the whole year's work has been a change in the attitude of the students toward the work of the Department. This change has been partly brought about by the introduction in 1916 of a system of physical efficiency tests, by which the men are graded and classified according to their ability; but even more, it is the result of a uniform attitude of intelligent enthusiasm and cooperation, backed by a sincere belief in the great value of the work, by all the members of the department.

The efficiency test of 1916 served as a valuable starting point for the more comprehensive system of examination given during this year. Here, as at only two or three other universities in the country, we have worked out and applied these tests with splendid results.

Our reasons in giving these may be briefly summarized as follows:

1. They provide an accurate method of grading and classifying men according to their condition and ability. Some few men have had excellent training in their high schools and are in excellent physical condition, while others may have had no training and may be in very poor physical condition. It is obviously a hardship on both of these men to put them in the same class and ask them to do the same work. The work must be graded to suit the needs of the men.
2. It interests the student in his own physical condition, and creates in him the desire to come up to the standard, to raise his classification from the "C" group to the "A" group. Each man knows how he compares with the man next to him, and how near he comes up to our minimum standards of physical efficiency.

3. It gives each man a definite goal to work for, as an "A" grade means the privilege of electing work for the various special activities offered.
4. It provides for the Department a most accurate and fair method for grading the student, and forms the basis for determining what men should receive credit and what men have not yet reached the minimum standard required by the Department.
5. It places physical education on the same basis as other courses in the curriculum. Many otherwise intelligent men believe that physical education is something aside and apart from all other educational work. Only in the few years have we begun to realize, educationally at least, that mind and body are inseparable.

Three physical efficiency tests were given during the year. One, at the beginning of the year, to men falling into "A" groups in their physical examination; a second, at the end of the first semester to all men in the Department; and a third in April.

Swimming Test

All men are required to swim during the year. The test is given at the beginning of the year, and men not able to pass it are assigned to swimming sections, which takes the place of their gymnasium class until the student has learned to swim. Over 400 students were taught to swim during the current year.

B. RELATED PROBLEMS

Health

During the year over five hundred students came in for advice and consultation on health and medical matters. A separate statistical report has been made on this phase of the Department's work. We believe this to be one of the richest fields for service, and the number of men taking advantage of the opportunity justifies our belief.

Regular office hours for consultation and advice are daily held. A list of reliable specialists in medicine, surgery, dentistry, etc., is kept in the office for the assistance and convenience of the students.

Emergency Treatment

Over three hundred emergency treatments were given during the year to men in the athletics and in the gymnasium. A separate and detailed record was kept of treatments given and it has been compiled in a separate report.

Football injuries required considerable time and attention during the fall, and a separate record of these injuries and treatment has been kept.

Sanitation of Pool

Temporary changes in the toilet conditions have made possible the

present inadequate and unsanitary swimming pool. With present arrangements, it is impossible to provide for adequate ventilation.

Bacteriological examinations were made of the water during the year, and with daily emptying and scrubbing it was kept within the limits of safety.

Material Improvements

The change of the Military Department to Hayes Hall, the cleaning and painting of the lower gymnasium, temporary changes in the toilet accommodations and towel adjustments, have somewhat improved the surroundings for the work.

A complete inventory was taken of all equipment and material and the net value, after checking of May 1st, was \$10,085.05. Equipment valued at \$686.99 was transferred to the Student Medical Service.

Conclusion

The weekly meetings of the Department, where problems have been worked out, and ways and means for increasing the effectiveness of the work have been discussed, have been of incalculable value to the Department's work.

Separate reports have been compiled and are available, on

The Physical examinations

Physical Efficiency Tests

The Elective System

Registration and Records

Locker, towel and swimming-pool situation

Medical Consultation and Emergency Treatment

The Needs of the Department

It has been our aim in all the activities of the Department, to stimulate enough interest and enthusiasm, in some line, so that the student will want to continue it, not only the rest of his college course, but the rest of his life. If we are able in some measure to do this, we have accomplished what every real teacher hopes to do, namely, to inspire an enthusiasm, a desire to go further. Who can say what it means to a man in greater years of effectiveness, and in greater happiness, to have a real enthusiasm for health and sport?

WOMEN'S DIVISION

Miss Meyer's reports as follows:

The work in the Women's Division of the Department of Physical Education has been more efficient this year because of the additional help of an assistant, and the use of the lower gymnasium during the afternoon hours. The student assistant gave eight hours a week instruction. The afternoon use of the lower gymnasium floor made it possible to schedule ten more classes than in the previous year. Thus the sections were smaller, the work done more thoroughly, and a larger variety of work was

taught. In this way the needs of the individual student could be more easily met and the teaching force could give more help and attention to the students. The immediate result was a far keener interest in the work on the part of the students.

Gym Aids

This year the number of young women who presented themselves for special honor of an "A" was much larger. Twenty-five passed the tests successfully against nine of the year before. As these students later act as aids to the regular instructors the department feels that it has been well repaid for the extra effort exerted in bringing these students to a higher degree of efficiency. For example, during the winter months one instructor gave on the average of eight to ten extra hours a week to the special training of prospective aids. Later when the spring work of outdoors sports and walks set in we had twenty-five assistants to call on, making it possible to carry on five or six different activities in each class led by aids and supervised by the regular instructor.

Swimming

This year the second year students who were finishing the required work in Physical Education were held for passing a test in swimming. No student was given credit for completed work in the Department, unless she was able to swim twice the length of the pool.

First Aid

Classes in "First Aid to the Injured" were also introduced this year for second year students. These classes were conducted along the line of Red Cross classes with demonstrations and practice in bandaging, carrying the injured, artificial respiration, etc. These classes were substituted for swimming classes in the months of cold weather. The Red Cross Society allowed students who had taken this course in the Department to take Red Cross examination after five hours of lecture and quiz from Dr. Snively. The usual requirement for the examination is ten hours lecture and a quiz from a Red Cross physician. Forty students presented themselves for this special examination.

Athletics

The Women's Athletic Association organized this year was of material assistance in conducting a series of tournaments in athletics which were held throughout the year. In the fall field hockey; in winter basketball; in the spring volley-ball, swimming, baseball and tennis. This brought a larger number of students into athletics than the year before when only basketball and tennis tournaments were held. We were especially fortunate in being allowed the use of Ohio field for field hockey, and the swimming pool of the Athletic Club for the swimming meet. The admission to all tournaments was by invitation cards distributed by the students and the Department.

Physical Examination

Better supervision of the young women's health was possible this year because of the examinations made by Dr. Gertrude Transeau in the more serious cases of defective health. On request from the head of the department Dr. Transeau gave her services in this connection, and the cases were subsequently followed up by the director. The director also gave more time this year ministering to common emergencies and consultations on health with the students. Office hours for this purpose were held twenty hours in the week.

A newly equipped rest-room in the gymnasium adjoining the directors' office was constantly in use. The room with two large windows to the east, three new rattan couches, pillows with washable slips, and screens made a very comfortable resting room for the tired student.

Equipment

An additional locker-room relieved somewhat the congested condition in the dressing quarters. Nine new hair dryers for the swimmers, and four new chest weights in the gymnasium constituted the new equipment for women.

Future Development

The following recommendations are made:

1. A medical adviser who would work coordinately with the physical director is a great need in this large University. Such an adviser should be a woman with medical training and experience in practice, and one competent to guide young women in matters of health and hygienic living. She would give full time and be of service for consultation and advice to all women students on the campus. She would make the medical examination of every woman entering gymnasium classes, and recommend the nature of work advisable for them. The director would cooperate in all such work done by the medical adviser.
2. There should be a larger teaching staff, with one additional instructor rather than several student assistants. The classes at present are still too large for the desirable grading of work and individual attention.
3. The major course in physical education should be introduced as soon as possible. Each year there are demands for such a course from students in the University and prospective students. This year at least fifteen made inquiry for a major course since they wished to attend Ohio State University and specialize in Physical Education.

Intramural

A rather comprehensive report of the Intramural Division was submitted last year. Under the competent direction of Professor J. W. Wilce there has been a healthy growth in spirit and degree of competition. The element of personal ability and real vision of educational values enter here to make for successful administration. The condition of having a successful director of football in immediate charge of this work, entirely voluntary on the part of the students, introduces a powerful appeal, a vitalizing factor and secures a response that would be hard to appreciate under a different personnel or plan of organization.

A revision of constitution, better organization and supervision, has coordinated and centralized control of the various groups.

Appreciation of the importance of this field of activity increases yearly. The prospects of new and improved facilities for real development in this line are most pleasing.

A comprehensive statement of the activities, character and degree of competition and purpose in view could only be a repetition, with some additions, of the 1916 report. For any detailed information, therefore, reference is made to the tables and statements contained therein.

INTERCOLLEGIATE DIVISION

The past year has been the most successful one in the history of the University. This statement applies whether considered from the standpoint of the spirit shown in competition-team and student body-numbers engaged, financial success or records of games.

Undisputed championships were won in Western Conference football and baseball and fair records were made in other activities.

The representative teams have continued to demonstrate unquestioned superiority over all competition within the State. In fact we have reached the desirable position where other Ohio institutions, generally, gladly, concede the University a class by itself and wish to count the "State" honors in athletic competition apart from the Ohio State University.

The return of the University of Michigan to the Western Conference gives promise of the renewal of most pleasant relations in this direction.

As noted in last year's report it has taken time to establish relations and bring teams to strength required for successful competition in the present field. This meant that athletics had to be operated at a loss for a time. We have maintained throughout that the organization was basically sound, the competition logical and the system of team development right being educational; and that the Athletic Association, headed by the Athletic Board, responsible (because of its faculty majority) to the President and Trustees of the University was a perfectly solvent Association. The past year has justified our position. The past year's financial report by Treasurer Royer will show a net profit of approximately ten thousand dollars. This wipes out the indebtedness and leaves a balance of about three

thousand dollars in the treasury. Early prospects now dissipated by the National situation—were for a much better season (financially) for 1917-18.

Under present conditions Intercollegiate athletics must mark time and whenever possible be made to serve the Nation.

Respectfully submitted,

L. W. ST. JOHN.

OFFICE OF THE BOARD OF TRUSTEES

THE OHIO STATE UNIVERSITY

COLUMBUS, OHIO, November 24, 1917.

Honorable JAMES M. COX, Governor of the State of Ohio.

SIR:—I have the honor to transmit herewith the forty-seventh annual report of the Board of Trustees of The Ohio State University.

The report contains a summarized statement of income of classified expenditures; also such other information as may be of general interest or required by law.

The annual report of the President of the University to the Board of Trustees is made a part of this report.

Respectfully submitted,

CARL E. STEEB,
Secretary.

SUMMARY FINANCIAL STATEMENT

(A complete detailed financial report for the fiscal year ended June 30, 1917, is printed in separate form and may be had upon application.)

CONSOLIDATED STATEMENT

INCOME AND EXPENDITURES

Cash balance July 1, 1916.....		\$ 179,397 71
Total income for year, <i>Schedule B-1</i>	\$2,156,236 86	
Less funds paid to State Treasurer and not available for the University	226,161 12	
	<hr/>	
	\$1,930,075 74	
Total expenditures for year, <i>Schedule C-1</i>	1,949,689 62	
	<hr/>	
Net deficit for year		19,613 88
		<hr/>
Cash balance June 30, 1917.....		\$ 159,783 83

ASSETS AND LIABILITIES

Current assets at end of year, <i>Schedule E</i>	\$ 329,676 92	
Current liabilities, <i>Schedule E</i>		\$ 47,379 62
Investment assets at end of year, <i>Schedule E</i>	1,021,956 88	
Investment liabilities at end of year, <i>Schedule E</i> ..		1,021,956 88
Educational Plant—		
Value of lands, buildings and equipment, <i>Schedule E</i>	6,296,369 40	
Net investment or capital account.....		6,578,666 70
	<hr/>	
	\$7,648,003 20	\$7,648,003 20

INCOME

INCOME FROM STUDENTS:

	Items	Total
Tuition, incidental and laboratory fees....	\$ 170,519 42	
Special fees, degrees, etc.....	4,996 00	
For supplies, chemicals, laboratory materials, etc. (included in warehouse) ..		
For Shop Deposits	3,744 50	
For dormitories—Oxley Hall	25,967 18	
For locker rent	4,062 25	
		\$ 209,289 35

INCOME FROM INVESTMENT OF:

Endowments for general purposes (see below)	
Endowments for designated purposes (see below)	
Other investments (if any)	\$.....

INCOME FROM GRANTS BY NATION, STATE AND

SPECIAL TAXATION:

State Aid—

Income from endowments granted by State		
Income from endowments for general purposes	\$ 6,522 94*	
Income from endowments for designated purposes	1,773 80*	
Tax levy for current expenses		
Appropriation for current expenses....	1,418,361 01	
Tax levy for building or other special purposes		
Appropriations for building or other special purposes	162,620 15	
		1,589,277 90

Federal Aid—

Income from Land Grant Act of July 2, 1862—paid by State	\$ 15,725 29*	
Income from other Land Grants—Virginia Military Lands (paid by State)	5,875 45*	
Additional Aid Acts of August 30, 1890, and March 4, 1907	50,000 00	
For Agricultural Extension work (Act of Congress May 8, 1914)	55,952 31	
		127,553 05

GIFTS FOR CURRENT EXPENSES:

For general purposes		
For designated purposes	8,350 00	
		8,350 00

*Previous installments reported under date of June 30, 1916. Hereafter endowment interest receipts will be included under dates of July, 1st and January 1st.

INCOME FROM OTHER SOURCES:

Architecture-Photo	\$ 643 74	
Rents—Buildings and Grounds.....	760 00	
Sale of Produce—Dairy and Farm.....	38,626 69	
Veterinary Clinic	4,266 87	
Dental Clinic	7,543 09	
Homeopathic Hospital Clinic	10,719 66	
Journalism—Printing	25,397 04	
Virginia Military Lands	336 00	
Miscellaneous sales, old material, etc.....	4,250 26	
County Agents' Funds from Counties.....	14,650 00	
Farmers' Institutes' Funds from Counties	15,400 00	
Ohio Biological Survey	160 00	
		<hr/>
		122,753 35

TEMPORARY ACCOUNTS:

Warehouse	99,013 21	
		<hr/>
Total Income	\$2,156,236 86	
Less funds paid to State Treasurer and not available for University	226,161 12	
		<hr/>
Total available income.....	\$1,930,075 74	

CLASSIFIED EXPENDITURES

EXPENSES:

Salaries	\$1,049,297 26	
Employees and extra labor.....	67,861 47	
Material and general supplies.....	82,981 93	
Laboratory supplies	53,966 44	
Coal and gas	41,447 14	
Water	10,865 31	
Stationery and office supplies (including postage)	28,504 02	
Printing bulletins and catalogues.....	24,894 27	
Advertising	1,284 91	
Field work—Agricultural Extension, in- cluding County Agents	39,900 01	
Traveling expenses	2,261 46	
Oxley Hall.....	27,142 69	
Repairs—equipment	9,978 11	
Freight and cartage	7,498 95	
Incidentals	13,773 67	
Feed—Live Stock	6,885 17	
Virginia Military Lands	2,906 68	
Trustees' Expenses	481 97	
Scholarship and student aid.....	3,091 22	
Telephone and telegraph	5,364 71	
Hospitals—use of wards and heating.....	7,582 50	
		<hr/>
Total Expenses		\$1,487,969 89

EQUIPMENT:

Apparatus	\$ 37,646 86
Books	22,665 47
Furniture and fixtures	35,565 85
Horses, wagons and harness	913 13
Live stock	2,811 00
Machinery, tools and implements	28,766 86
Tunnels, conduits and heating lines	27,324 67
Oxley Hall	909 01

Total equipment	156,602 85
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ADDITIONS TO BUILDINGS

CLUSTER LIGHTS

FIRE PROTECTION	1,373 69
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NEW BUILDINGS	168,529 82
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RAILWAY	413 58
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SEWERS

GRADING, PLANTING, ROADS, WALKS, ETC.....	22,536 24
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Total	192,853 33
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TEMPORARY ACCOUNTS:

Warehouse	112,279 31
-----------------	------------

Total Expenditures	\$1,949,705 38
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BALANCE SHEET

CURRENT ASSETS

Cash in bank and on hand for current expenses..	\$ 159,783 83
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Accounts receivable	450 00
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Auditor of State, special appropriations.....	47,379 62
---	-----------

Store room (supplies per inventory)	122,059 47
---	------------

Total Current Assets	\$ 329,676 92
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INVESTMENT ASSETS AT END OF YEAR

Securities, State Treasurer (irreducible debt of State)	\$1,021,956 88
---	----------------

Total Investment Assets	1,021,956 88
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EDUCATIONAL PLANT, LANDS, BUILDINGS AND EQUIPMENT

Balance at beginning of year.....	\$5,975,127 83
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Additions during year	321,241 57
-----------------------------	------------

Total Educational Plant	6,296,369 40
-------------------------------	--------------

Total Assets	\$7,648,003 20
--------------------	----------------

LIABILITIES

CURRENT LIABILITIES

Special State Appropriations	\$ 47,379 62
------------------------------------	--------------

Other Current Liabilities	
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Total Current Liabilities	\$ 47,379 62
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ENDOWMENT FUNDS AT END OF YEAR

Endowment Capital Accounts:

Funds for General Purposes, Invested.....	\$ 947,088 58	
Funds for Designated Purposes, Invested...	74,868 30	
	<hr/>	
Total Liabilities, Endowment Funds..		1,021,956 88

EDUCATIONAL PLANT, DEBT AND CAPITAL ACCOUNT

Bonds or Mortgages against Plant.....		
Investment of Capital Account	\$6,578,666 70	
	<hr/>	
Total Educational Plant		6,578,666.70
		<hr/>
Total Liabilities		\$7,648,003 20

GIFTS

C. F. Kettering and E. A. Deeds.....	\$8,000 00	
(For research work in the college of Homeopathic Medicine)		
F. A. Randall, Sec'y National Brick Makers' Association.....	250 00	
(For N. B. M. A. Scholarship)		
National Brick and Clay Record	100 00	
(For N. B. M. A. Scholarship)		
John Siebert	100 00	
(A gift to the Siebert Library Fund)		
Ohio State Mem. Committee	8 91	
(Bal. from Senior Class Aid Fund, Class of 1916)		
		<hr/>
		\$8,458 91

APPENDIX I

BOARD OF TRUSTEES 1916-1917

	Original Appointment	Term Expires
GUY W. MALLON, Cincinnati	May 11, 1903	May 13, 1917
O. E. BRADFUTE, Cedarville	Aug. 21, 1905	May 13, 1918
FRANK E. POMERENE, Coshocton.....	May 15, 1905	May 13, 1919
BENJ. F. McCANN, Dayton.....	May 13, 1913	May 13, 1920
JOHN F. CUNNINGHAM, Cleveland.....	Dec. 22, 1914	May 13, 1921
JOHN KAISER, Marietta	Feb. 25, 1915	May 13, 1922
CHARLES F. KETTERING, Dayton.....	Mar. 21, 1917	May 13, 1923

OFFICERS OF THE BOARD

BENJ. F. McCANN.....	Chairman
JOHN F. CUNNINGHAM.....	Vice-Chairman
CARL E. STEEB.	Business Manager and Secretary
JULIUS F. STONE	Treasurer

Note—Mr. Julius F. Stone, whose original term expired May 13, 1916, served as a recess appointee until March 21, 1917; he also served as Chairman of the Board until the above date.

APPENDIX II

ADMINISTRATIVE OFFICERS

THE UNIVERSITY

WILLIAM OXLEY THOMPSON, D. D., LL. D.....	<i>President</i> Office, University Hall
CARL E. STEEB, B. Ph.	<i>Business Manager and Secretary of Board of Trustees</i> Office, University Hall
EDITH D. COCKINS, B. A.....	<i>Registrar, Secretary of the University Faculty and University Editor</i> Office, University Hall
LESTER E. WOLFE, A. M.....	<i>Secretary of Entrance Board</i> Office, University Hall
R. M. ROYER.....	<i>Purchasing Agent</i> Office, University Hall
KATHARINE H. DUNCAN	<i>Executive Clerk</i> Office, University Hall
CAROLINE M. BREYFOGLE, B. A., Ph. D.....	<i>Dean of Women</i> Office, Orton Hall
BESS C. WATTERS	<i>Cashier</i> Office, University Hall
WILLIAM C. McCracken.....	<i>Superintendent of Buildings and Grounds and Chief Engineer</i> Office, Power House

APPENDIX III

Which shows the number of professors, officers, teachers and other employees, and the position and compensation of each, as required by Section 7947 of an Act passed May 27, 1915.

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
William Oxley Thompson.....	President	\$7,000.00
Alfred Vivian	Dean of College of Agriculture and Professor of Agricultural Chemistry.....	4,000.00
J. V. Denney	Dean of College of Arts, Philosophy and Science and Professor of English.....	4,000.00
George W. Knight	Dean of College of Education and Professor of American History.....	4,000.00
Harry M. Semans.....	Dean of College of Dentistry and Professor of Dentistry	3,750.00
John J. Adams	Dean of College of Law and Professor of Law	5,000.00
Claude A. Burrett	Dean of College of Homeopathic Medicine and Professor of Homeopathic Medicine	3,250.00
D. S. White	Dean of College of Veterinary Medicine and Professor of Veterinary Medicine	4,000.00
William C. McPherson	Dean of Graduate School and Professor of Chemistry	4,000.00
E. F. McCampbell	Dean of College of Medicine and Professor of Preventive Medicine.....	4,000.00
James E. Hagerty	Dean of College of Commerce and Journalism and Professor of Economics and Sociology	4,000.00
E. F. Coddington	Acting Dean of College of Engineering and Professor of Mechanics	2,750.00
C. A. Dye	Acting Dean of College of Pharmacy and Professor of Pharmacy	2,750.00
V. C. Smith	Assistant to the Dean of College of Agriculture	1,800.00
John F. Lyman	Professor of Agricultural Chemistry and Soils (On leave)	1,800.00
Firman E. Bear	Professor of Soils	2,750.00
Thomas G. Phillips	Assistant Professor of Agricultural Chemistry and Soils	1,800.00
F. J. Salter	Instructor in Agricultural Chemistry and Soils	1,200.00
John L. Hutchison	Instructor in Agricultural Chemistry and Soils	1,200.00
George M. McClure	Instructor in Agricultural Chemistry and Soils	1,200.00
Chester M. Rose	Assistant in Agricultural Chemistry and Soils	600.00
E. C. Sleeth	Instructor in Agricultural Chemistry and Soils	1,000.00
Harry W. Palmer	Assistant in Agricultural Chemistry and Soils	600.00
Eva M. Nouse	Assistant in Agricultural Chemistry and Soils	600.00
Guy Conrey	Instructor in Soils (part time).....	775.00
H. C. Ramsower.....	Professor of Agricultural Engineering..	2,500.00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
F. W. Ives	Assistant Professor in Agricultural Engineering	\$1,800.00
G. W. McCuen	Instructor in Agricultural Engineering	1,400.00
P. B. Potter	Instructor in Agricultural Engineering	1,000.00
John T. Miller	Mechanic—Agricultural Engineering (12 mos.)	900.00
C. S. Plumb	Professor of Animal Husbandry	3,500.00
F. S. Jacoby	Assistant Professor of Poultry Husbandry	2,200.00
D. J. Kays	Professor of Animal Husbandry	2,400.00
S. M. Salisbury	Assistant Professor of Animal Husbandry	1,700.00
J. S. Coffey	Assistant Professor of Animal Husbandry	2,000.00
Tom Stone	Instructor in Animal Husbandry	1,300.00
R. H. Sturgeon	Student Assistant in Poultry Husbandry	250.00
David M. Fyffe	Superintendent of Live Stock	1,400.00
George Taylor	Herdsman	720.00
Arthur Bayes	Poultryman (part time)	195.00
Charles H. Carter	General helper (part time)	476.67
Robert Watson	Groom	780.00
L. H. Myers	Teamster	600.00
William Franklin	Shepherd	720.00
Dan Swisher	Herdsman	600.00
Howard Goff	Herdsman (part time)	502.50
V. G. Lindamood	Groom—Pavilion (part time)	540.00
B. S. Snode	Herdsman	780.00
Thomas O. Dickey	Poultryman (part time)	585.00
S. J. Green	Laborer (part time)	200.00
J. H. Schaffner	Professor of Botany	2,750.00
R. F. Griggs	Assistant Professor of Botany	1,900.00
Edgar N. Transeau	Professor of Botany	2,500.00
Freda Detmers	Assistant Professor of Botany	1,500.00
W. G. Stover	Assistant Professor of Botany	1,700.00
Paul B. Sears	Instructor in Botany	1,000.00
Forest William Dean	Graduate Assistant in Botany	300.00
William N. Ankeney	Graduate Assistant in Botany	300.00
Ross C. Burns	Student Assistant in Botany (part time)	120.00
Jasper D. Sayre	Student Assistant in Botany	150.00
E. C. Leonard	Student Assistant in Botany	150.00
Walter S. Eckman	(Gardener) Assistant (part time)	450.00
John S. Crabb	Assistant in Botany (part time)	450.00
Hilda E. Damm	Student Assistant in Botany (part time)	30.00
Oscar Erf	Professor of Dairying	3,000.00
O. C. Cunningham	Assistant Professor of Dairying	2,000.00
W. L. Clevenger	Assistant Professor of Dairying (part time)	1,274.94
Robert B. Stoltz	Assistant Professor of Dairying	1,800.00
Fred Nobs	Cheesemaker (part time)	825.00
Elmer J. Helbig	Assistant in Dairying (part time)	80.00
A. L. Bates	Driver	540.00
Jay B. Park	Professor of Farm Crops	2,500.00
R. C. Wiggans	Assistant Professor of Farm Crops	1,800.00
L. E. Thatcher	Assistant in Farm Crops	1,000.00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
George L. Schuster	Assistant in Farm Crops	\$ 600.00
*W. R. Lazenby	Professor of Forestry (part time)	550.00
O. W. Pflueger	Instructor in Forestry	1,100.00
Norman W. Scherer	Assistant Professor of Forestry	1,700.00
W. L. Dubois	Temporary Instructor in Forestry	500.00
Edna N. White	Professor of Home Economics	2,000.00
Anna R. VanMeter	Assistant Professor of Home Economics	2,000.00
Maude C. Hathaway	Assistant Professor of Home Economics	1,600.00
Grace C. Walker (Mrs.)	Instructor in Home Economics	1,400.00
Lila Skinner	Instructor in Home Economics	1,400.00
Marian L. Tucker	Instructor in Home Economics	1,400.00
Lelia McGuire	Assistant in Home Economics	800.00
Agnes Brady	Assistant in Home Economics (part time)	375.00
Maud G. Adams (Mrs.)	Supervisor of Practice Teaching	1,500.00
Mary Hershberger	Assistant in Home Economics	750.00
Ruth Bair	Assistant in Home Economics	600.00
Lena Bumpas	Assistant in Home Economics	400.00
Grace Linder	Instructor in Home Economics	1,500.00
Cora Elliott	Maid	500.00
Ellen Miller	Assistant in Home Economics (part time)	375.00
Laura Neal	Assistant in Home Economics (part time)	200.00
W. Paddock	Professor of Horticulture	3,000.00
V. H. Davis	Professor of Horticulture	2,000.00
L. M. Montgomery	Professor of Horticulture	2,200.00
P. H. Elwood, Jr.	Assistant Professor of Landscape Architecture	1,800.00
A. D. Taylor	Non-resident Professor of Landscape Architecture	500.00
W. H. Mosier	Instructor in Horticulture	1,000.00
H. R. Penton	Assistant in Horticulture (part time)	360.00
Fred Windmiller	Assistant in Floriculture and Vegetable Gardening (part time)	833.30
Alfred C. Hottes	Assistant Professor of Floriculture	1,800.00
Paul E. Embler	Assistant in Horticulture (part time)	80.00
Paul L. Vogt	Professor of Rural Economics (part time)	1,000.00
Thomas D. Phillips	Assistant Professor of Rural Economics	1,800.00
John I. Falconer	Assistant Professor of Rural Economics	2,000.00
L. O. Lantis	Temporary Instructor (2nd Semester)	900.00
Herbert Osborn	Research Professor of Zoology and Entomology	3,500.00
J. S. Hine	Associate Professor and Curator of Zoological Collections	1,800.00
W. M. Barrows	Assistant Professor of Zoology and Entomology (on leave)	1,500.00
W. J. Kostir	Instructor in Zoology and Entomology	1,400.00
Frederick H. Kreckler	Assistant Professor in Zoology and Entomology	1,800.00
C. L. Metcalf	Assistant Professor in Zoology and Entomology	1,800.00
C. J. Drake	Instructor in Zoology and Entomology	1,200.00

*Died September 15, 1916.

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
D. M. DeLong	Assistant in Zoology and Entomology....	\$ 800.00
L. A. Stearns	Assistant in Zoology and Entomology...	600.00
T. L. Guyton	Assistant in Zoology and Entomology...	800.00
C. A. Weigel	Graduate Assistant in Zoology and Entomology	300.00
Otis Wade	Graduate Assistant in Zoology and Entomology	300.00
Max Kisliuk	Graduate Assistant in Zoology and Entomology	300.00
John Eckert	Graduate Assistant in Zoology and Entomology	300.00
Louis H. Burgwald	Instructor in Dairying (Winter Course)	300.00
Lott E. Bechtel	Instructor in Dairying (Winter Course)	300.00
William Bruce	Instructor in Farm Crops (Winter Course)	300.00
A. J. Bishop	Instructor in Animal Husbandry (Winter Course)	300.00
A. E. Smith	Farm Foreman	1,500.00
Leroy Wilson	Caretaker—Horse Barn	720.00
F. M. Ford	Teamster (part time)	60.50
John Rhone	Teamster	624.00
Charles Pugh	Teamster	624.00
John S. Long	Teamster	624.00
Marion Peck	Teamster	624.00
J. K. Billingsley	Laborer (part time)	416.00
H. C. Hockett	Professor of American History	2,500.00
A. M. Schlesinger	Assistant Professor of American History	2,000.00
George A. Wood	Instructor in American History	1,200.00
Marguerite Williams	Graduate Assistant in American History	300.00
Agnes J. Atkinson	Graduate Assistant in American History	300.00
Carl Wittke	Instructor in American History (part time)	960.00
J. R. Taylor	Professor of English	2,750.00
H. G. W. McKnight	Professor of English	2,750.00
William L. Graves	Professor of English	2,250.00
L. A. Cooper	Assistant Professor of English	2,000.00
E. L. Beck	Assistant Professor of English	2,000.00
V. A. Ketcham	Assistant Professor of English	2,000.00
C. E. Andrews	Assistant Professor of English	2,000.00
Milton Percival	Assistant Professor of English	2,000.00
J. Forest Craig	Instructor in English	1,000.00
Charles G. Dishong	Instructor in English	1,000.00
Earl W. Wiley	Instructor in English	1,000.00
Gertrude L. Robinson	Instructor in English	750.00
Marjorie McCutcheon	Instructor in English	750.00
C. F. Lindsley	Instructor in English	750.00
Frederick W. Moore.....	Instructor in English	750.00
Louis Foley	Instructor in English	750.00
O. W. Hankins.....	Assistant in English	300.00
Edith Sniffen	Assistant in English	300.00
James F. Fullington	Assistant in English	300.00
Verona Mae Dollinger	Assistant in English	300.00
Walter F. Sheets	Assistant in English	300.00
William F. Gysan	Assistant in English	300.00
Emma P. Scott	Assistant in English	300.00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
W. H. Siebert	Professor of European History	\$3,500.00
E. H. McNeal	Professor of European History	2,500.00
Clarence Perkins	Professor of European History	2,000.00
Wilmer C. Harris	Instructor in European History.....	1,500.00
Pansy Higbee Book	Graduate Assistant in European History	300.00
*C. S. Prosser	Professor of Geology (part time)	700.00
J. A. Bownocker	Professor of Geology and Curator of Museum	2,500.00
Thomas McD. Hills	Assistant Professor of Geology.....	2,070.00
W. A. Verwiebe	Instructor in Geology	1,200.00
Clara G. Mark	Instructor in Geology	1,100.00
Kenneth Cottingham	Instructor in Geology	1,000.00
Raymond E. Lamborn	Graduate Assistant in Geology	300.00
J. Ernest Carman	Assistant Professor of Geology.....	2,400.00
M. B. Evans	Professor of German	3,500.00
B. A. Eisenlohr	Professor of German	2,000.00
May Thomas	Assistant Professor of German	1,500.00
Sarah Barows	Assistant Professor of German	1,500.00
Ludwig Lewisohn	Assistant Professor of German	2,250.00
Robert O. Busey	Assistant Professor of German	1,500.00
H. C. Keidel	Assistant Professor of German	1,800.00
Theodore F. Kotz	Instructor in German (part time).....	360.00
Heinrick W. Reese	Instructor in German	1,200.00
L. Zelenka Lerando	Assistant in German	500.00
Walter French	Assistant in German	500.00
Siegmund Mueller	Temporary Instructor in German (part time)	600.00
George M. Bolling	Professor of Greek	3,500.00
S. C. Derby	Professor of Latin	2,750.00
A. W. Hodgman	Professor of Latin	2,500.00
W. S. Elden	Professor of Latin	2,500.00
James E. Dunlap.....	Instructor in Latin	1,200.00
J. A. Leighton	Professor of Philosophy	3,500.00
A. E. Davies	Professor of Philosophy	2,250.00
Albert R. Chandler	Assistant Professor of Philosophy	1,800.00
Henry R. Spencer	Professor of Political Science.....	2,750.00
Francis W. Coker	Professor of Political Science	2,500.00
David Weir	Graduate Assistant in Political Science..	300.00
B. L. Bowen	Professor of Romance Languages.....	3,500.00
C. A. Bruce	Professor of Romance Languages.....	2,500.00
E. S. Ingraham	Professor of Romance Languages.....	2,250.00
T. E. Hamilton	Assistant Professor of Romance Lan- guages	1,500.00
G. S. Chapin	Assistant Professor of Romance Lan- guages	1,500.00
Walter T. Pierce	Assistant Professor of Romance Lan- guages	2,250.00
J. K. Ditchey	Instructor in Romance Languages.....	1,200.00
Alexander P. Moore	Instructor in Romance Languages.....	1,200.00
Leopold Cardon	Instructor in Romance Languages.....	1,200.00
Homer C. Haddox	Graduate Assistant in Romance Lan- guages	300.00
Ph Teixido deBerriz	Instructor in Romance Languages.....	1,200.00

*Died September 12, 1916.

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Luella S. Goode	Graduate Assistant in Romance Languages	\$ 300.00
Pearl Summy	Graduate Assistant in Romance Languages	300.00
R. R. Studler	Assistant in Romance Languages	300.00
M. B. Hammond	Professor of Economics and Sociology ..	3,500.00
O. C. Lockhart	Professor of Economics and Sociology ..	2,500.00
C. C. Huntington	Professor of Economics and Sociology ..	2,500.00
Clyde O. Ruggles	Professor of Economics and Sociology ..	2,500.00
Henry F. Walradt	Assistant Professor of Economics and Sociology (2nd Semester)	900.00
Carl E. Parry	Assistant Professor of Economics and Sociology	2,000.00
Mary Louise Mark	Instructor in Economics and Sociology ..	1,600.00
Gould L. Harris	Instructor in Economics and Sociology ..	1,200.00
H. B. Drury	Instructor in Economics and Sociology ..	1,300.00
Victor W. Bruder	Instructor in Economics and Sociology (part time)	1,260.00
R. D. McKenzie	Instructor in Economics and Sociology ..	1,300.00
G. W. Eckelberry	Assistant in Economics and Sociology (part time)	350.00
Hubert E. Bice	Instructor in Economics and Sociology ..	1,000.00
George Gephart	Instructor in Economics and Sociology ..	900.00
Agnes Drury	Assistant in Economics and Sociology ..	450.00
Harry E. Sheppard	Assistant in Economics and Sociology ..	450.00
S. J. Coon	Assistant in Economics and Sociology ..	450.00
C. C. North	Assistant Professor of Economics and Sociology	2,000.00
Robert Pfeifer	Temporary Instructor in Economics and Sociology	400.00
Herman C. Miller	Assistant in Economics and Sociology (part time)	225.00
Joseph S. Myers	Professor of Journalism	4,000.00
Paul S. Carty	Instructor in Journalism	1,804.00
M. H. Hallett	Instructor in Journalism	1,560.00
Albert P. Taylor	Instructor in Journalism	1,152.00
Vinton E. McVicker	Editor—"The Lantern"	500.00
Harlon P. Stewart	Business Manager—"The Lantern"	500.00
Carl H. Getz	Assistant Professor of Journalism	1,800.00
Clarence M. Baker	Assistant in Journalism (part time) ...	600.00
Harvey V. Cottrell	Professor of Prosthetic Dentistry	1,200.00
William C. Graham	Instructor in Dental Medicine and Oral Hygiene	600.00
R. B. Wiltberger	Instructor in Prosthetic Dentistry and Porcelain	800.00
H. S. Shumway	Instructor in Prosthetic Laboratory	800.00
Clyde H. Hebble	Superintendent of Operative Clinic and Instructor in Operative Technic	1,200.00
Charles W. Strosnider	Assistant Superintendent of Operative Clinic and Instructor in Dental Technic	1,000.00
Ollie O. Mobberly	Superintendent of Dental Laboratories and Summer Clinic	1,800.00
Dick P. Snyder	Instructor in Operative Clinic	800.00
Edwin W. Martindale	Instructor in Analgesia and Anaesthetics ..	400.00
Frank C. Starr	Instructor in Operative Clinic and Metallurgy	600.00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Irwin Bottenhorn	Instructor in Dental Clinic and Pathology	\$ 600.00
Earl G. Jones	Assistant in Orthodontia	400.00
Louis E. Reif	Demonstrator in Operative Clinic	500.00
Arthur M. Elam	Student Assistant in Dental Laboratory	100.00
Charles F. Kelley	Professor of Art	2,500.00
Alice Robinson	Instructor in Art	1,600.00
Mary Louise Shepherd	Instructor in Art	1,300.00
W. J. Norris	Instructor in Art	1,400.00
E. O. Christensen	Instructor in Art	1,200.00
Lewis F. Anderson	Professor of History and Philosophy of Education	3,000.00
Walter Gray	Graduate Assistant in History and Philosophy of Education (part time)	300.00
Eldon L. Usry	Professor of Manual Training	2,500.00
George R. Twiss	Professor of Principles and Practice of Education (part time)	1,500.00
J. L. Clifton	Assistant Professor of Principles and Practice of Education	2,500.00
Wilford M. Aikin	Assistant Professor of Principles and Practice of Education (2nd Semester)	1,500.00
George F. Arps	Professor of Psychology	3,500.00
A. P. Weiss	Assistant Professor of Psychology	2,000.00
Rudolph Pintner	Assistant Professor of Psychology	2,300.00
John E. Evans	Instructor in Psychology	1,800.00
Harry W. Crane	Instructor in Psychology	1,600.00
J. W. Bridges	Instructor in Psychology	1,800.00
Mabel E. Goudge	Instructor in Psychology	1,400.00
Russell B. Wilson	Laboratory Assistant	500.00
L. B. Hoisington	Laboratory Assistant (part time)	240.00
Jeanette C. Reamer	Graduate Assistant in Psychology	300.00
Elmer Culler	Instructor in Psychology	1,400.00
Herbert A. Toops	Graduate Assistant in Psychology (part time)	270.00
E. Leigh Mudge	Instructor in Psychology (part time)	1,080.00
Chauncey N. Waterman, Jr.	Student Assistant in Psychology (part time)	125.00
Samuel W. Brown	Professor of School Administration	2,500.00
G. Otto Grady	Graduate Assistant in School Administration	300.00
Frederick H. McMillen	Temporary Assistant in Agricultural Education (part time)	180.00
J. N. Bradford	Professor of Architecture	1,200.00
Charles St. J. Chubb	Professor of Architecture	2,500.00
F. H. Haskett	Instructor in Architecture	1,600.00
W. C. Ronan	Instructor in Architecture	1,500.00
H. C. Lord	Professor of Astronomy	3,000.00
E. S. Manson, Jr.	Associate Professor of Astronomy	1,800.00
Edward Orton, Jr.	Research Professor of Ceramic Engineering	1,500.00
Arthur S. Watts	Professor of Ceramic Engineering	3,000.00
Carl B. Harrop	Assistant Professor of Ceramic Engineering	1,800.00
J. C. Lysatt	Technician	600.00
Wilbur Stout	Instructor in Ceramic Engineering (part time)	600.00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Perry D. Helsler	Student Assistant in Ceramic Engineering (part time)	\$ 50.00
S. A. Norton	Emeritus Professor of Chemistry.....	1,250.00
W. E. Henderson	Professor of Inorganic and Physical Chemistry	3,000.00
C. W. Foulk	Professor of Analytical Chemistry.....	2,500.00
W. L. Evans	Professor of Chemistry	3,500.00
J. R. Withrow	Professor of Chemistry	3,000.00
C. E. Boord	Assistant Professor of Chemistry.....	1,800.00
R. C. Hummell	Instructor in Chemistry	1,200.00
Edward Schmidt	Assistant in Chemistry	700.00
C. R. McCrosky	Assistant in Chemistry	700.00
Gebhard Stegeman	Assistant in Chemistry	700.00
J. H. Young	Instructor in Chemistry	1,000.00
Marion Hollingsworth	Assistant in Chemistry	700.00
Emil Balz	Assistant in Chemistry	700.00
H. B. Adkins	Assistant in Chemistry	700.00
Melvin G. Mellon	Graduate Assistant in Chemistry.....	300.00
E. L. Mahaffey	Assistant in Chemistry (part time).....	300.00
Orland R. Sweeney	Instructor in Industrial Chemistry.....	1,000.00
H. H. Baumgardner	Graduate Assistant in Chemistry.....	300.00
Charles R. Bennett	Graduate Assistant in Chemistry.....	300.00
Charles H. Keck	Graduate Assistant in Chemistry.....	300.00
D. R. Mellon	Graduate Assistant in Chemistry.....	300.00
Lowell H. Milligan	Graduate Assistant in Chemistry.....	300.00
Robert M. Sanford	Graduate Assistant in Chemistry (part time)	190.00
Lorin B. Sebrell	Graduate Assistant in Chemistry.....	300.00
John A. Vanderwerf	Graduate Assistant in Chemistry.....	300.00
P. K. Baird	Graduate Assistant in Chemistry.....	300.00
Howard A. Durham	Graduate Assistant in Chemistry.....	300.00
Carl E. Frick	Graduate Assistant in Chemistry.....	300.00
Herbert S. Coith	Assistant in Chemistry	700.00
John C. Bowman	Assistant in Chemistry	700.00
Carl E. Gifford	Graduate Assistant in Chemistry.....	300.00
H. L. Olin	Assistant Professor of Analytical Chemistry	1,500.00
Russell Banks	Graduate Assistant in Chemistry (part time)	300.00
Walker J. King	Graduate Assistant in Chemistry (part time)	110.00
C. E. Sherman	Professor of Civil Engineering.....	2,500.00
F. R. Eno	Professor of Municipal Engineering....	2,500.00
Clyde T. Morris	Professor of Structural Engineering....	3,000.00
G. F. Schlesinger	Assistant Professor of Civil Engineering	1,600.00
R. C. Sloane	Assistant Professor of Civil Engineering	1,600.00
Wilhelm Neilson	Instructor in Civil Engineering.....	1,300.00
Carl G. Faehnle	Instructor in Civil Engineering	1,100.00
Edward Kromer	Assistant Professor of Civil Engineering	1,600.00
E. W. McCoy	Instructor in Civil Engineering (part time)	320.00
F. C. Caldwell	Professor of Electrical Engineering....	3,000.00
A. E. Flowers	Professor of Electrical Engineering (part time)	700.00
J. E. Shepherdson	Instructor in Electrical Engineering....	1,400.00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
R. A. Brown	Instructor in Electrical Engineering....	\$1,300.00
T. O. Farmer	Assistant in Electrical Engineering....	675.00
A. F. Puchstein	Assistant in Electrical Engineering (part time)	625.00
William R. Alexander	Machinist	1,080.00
Joseph Greenwald	Machinist's Helper	480.00
E. W. Kellogg	Substitute Assistant Professor of Elec- trical Engineering	1,800.00
T. E. French	Professor of Engineering Drawing....	3,500.00
Robert Meiklejohn	Assistant Professor of Engineering Drawing	1,900.00
O. E. Williams	Assistant Professor of Engineering Drawing	1,500.00
Cree Sheets	Assistant Professor of Engineering Drawing (part time)	600.00
W. D. Turnbull	Assistant Professor of Engineering Drawing	1,500.00
E. J. Gilbert	Instructor in Engineering Drawing....	1,400.00
C. L. Svensen	Instructor in Engineering Drawing....	1,500.00
S. S. Withrow	Assistant in Engineering Drawing....	700.00
T. Y. Inagaky	Instructor in Engineering Drawing....	1,100.00
G. L. Whiteside	Student Assistant in Engineering Draw- ing	300.00
D. E. Batesole	Instructor in Engineering Drawing (part time)	660.00
Thomas A. Boyd	Student Assistant in Engineering Draw- ing (part time)	180.00
F. E. Sanborn	Professor of Industrial Arts.....	2,420.00
W. A. Knight	Associate Professor of Machine Shop Practice	1,925.00
C. M. Beem	Instructor in Pattern Making and Founding	1,595.00
A. A. Case	Instructor in Vise Work	1,320.00
U. W. Denman	Instructor in Wood Working	1,100.00
J. A. Foust	Instructor in Forging	1,210.00
J. J. Breckur	Assistant in Founding	935.00
R. E. Smith	Assistant in Wood Working	900.00
Perry L. Wright	Assistant in Forging	880.00
Harold Wright	Assistant in Industrial Arts	715.00
Carl M. Senn	Assistant in Wood Working	600.00
Oscar D. Rickly	Student Assistant in Industrial Arts....	300.00
R. D. Bohannon	Professor of Mathematics	3,500.00
G. W. McCoard	Professor of Mathematics	1,800.00
K. D. Swartzel	Professor of Mathematics	2,500.00
H. W. Kuhn	Professor of Mathematics	2,500.00
S. E. Razor	Professor of Mathematics	2,200.00
C. L. Arnold	Associate Professor of Mathematics....	2,000.00
J. B. Preston	Assistant Professor of Mathematics....	1,500.00
C. C. Morris	Professor of Mathematics	*1,000.00
Grace Bareis	Assistant Professor of Mathematics....	1,300.00
C. J. West	Assistant Professor of Mathematics....	1,700.00
Hortense Rickard	Assistant in Mathematics	1,300.00
Charlotte Morningstar	Graduate Assistant in Mathematics....	300.00
Garbis Keulegan	Graduate Assistant in Mathematics....	300.00

*Received \$1,000.00 as Assistant to Dean of College of Engineering.

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
W. T. Magruder	Professor of Mechanical Engineering...	\$3,500.00
F. W. Marquis	Professor of Steam Engineering.....	2,500.00
H. Judd	Associate Professor of Experimental Engineering	2,000.00
A. I. Brown	Instructor in Mechanical Engineering...	1,500.00
Ray Ellis	Assistant in Mechanical Engineering...	750.00
Karl W. Stinson	Assistant in Mechanical Engineering...	750.00
H. Halouk Fikret	Assistant in Mechanical Engineering...	900.00
J. J. Davis	Machinist	1,020.00
Roy Pratt	Helper and Fireman	840.00
J. E. Boyd	Professor of Mechanics	3,000.00
J. O. Draffin.....	Instructor in Mechanics	1,000.00
E. E. Sommermeier	Professor of Metallurgy (half time)...	1,200.00
D. J. Demorest	Professor and Acting Head of Department of Metallurgy	2,500.00
E. C. Smith	Instructor in Metallurgy	1,400.00
Frank A. Ray	Professor of Mine Engineering (on leave) .....	.....
H. E. Nold	Assistant Professor of Mine Engineering	1,800.00
R. K. Bowden	Student Assistant in Mine Engineering..	300.00
Charles W. Davis	Student Assistant in Mine Engineering..	300.00
H. P. Wilkinson	Student Assistant in Mine Engineering (first semester)	150.00
Ralph L. Lawrence	Student Assistant in Mine Engineering (first semester)	150.00
W. J. McCaughey	Professor of Mineralogy and Acting Head of Department	2,500.00
A. D. Cole	Professor of Physics	3,500.00
R. F. Earhart	Professor of Physics	2,500.00
F. C. Blake	Professor of Physics (on leave).....	1,800.00
S. J. Barnett	Professor of Physics	2,500.00
Charles Sheard	Professor of Physics and Applied Optics	2,250.00
A. E. Smith	Assistant Professor of Physics	2,500.00
H. G. Heil	Instructor in Physics	1,600.00
D. A. Woodbury	Instructor in Physics	1,300.00
Alva W. Smith	Instructor in Physics	1,200.00
J. H. Service	Assistant in Physics	700.00
C. W. Jarvis	Assistant in Physics	700.00
John G. Albright	Graduate Assistant in Physics.....	300.00
John S. Ward	Assistant in Physics	600.00
George Pierce	Assistant in Physics	750.00
B. F. Salisbury	Graduate Assistant in Physics.....	300.00
C. B. Jolliffe	Assistant in Physics	700.00
Arthur P. Freund	Mechanician	1,200.00
Fred B. Grosvenor	Professor of Clinical Diagnosis and Clinical Microscopy	2,400.00
Albert E. Hinsdale	Professor of Materia Medica and Clinical Therapeutics	2,400.00
J. A. Ferree	Professor of Ophthalmology, Otology, Laryngology and Rhinology	2,400.00
Roy C. Wolcott	Professor of Internal Medicine.....	2,400.00
Jacob R. Wiggers	Student Assistant in Homeopathic Medicine	500.00
Wm. A. Humphrey	Professor of Diseases of Women, Surgical Gynecology and Obstetrics	2,400.00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
J. G. Keiser	Graduate Assistant in Homeopathic Medicine	\$ 200.00
Geo. B. Faulder	Assistant in Gynecology and Supervising Anaesthetist	500.00
R. V. Hadley	Assistant in Clinical Laboratory	500.00
Harry M. Sage	Assistant in Homeopathic Medicine.....	200.00
E. H. Baxter	Student Assistant in Homeopathic Medicine	300.00
Jessie Harrod	Chief Nurse	900.00
Gertrude Loessel.....	Teacher of Surgical Nursing.....	600.00
William H. Caine	House Physician (part time)	60.00
Mildred V. Johnson	Student Nurse	56.20
Cora Ranous (Mrs.)	Student Nurse (part time)	31.25
Louisa Harrod	Student Nurse	75.00
Rena Daily	Student Nurse	75.00
Vera Benjamin	Student Nurse	75.00
Elinor Schlegemilch	Student Nurse	75.00
Hazel Ault	Student Nurse	75.00
Olga Johnson	Student Nurse	75.00
Sarah Fulton	Student Nurse	68.73
Martha Bower	Student Nurse	68.73
Angie Fuller	Student Nurse (part time)	29.14
Lucile Myers	Night Supervisor of Nurses (part time)	300.00
Helen Miller	Student Nurse	56.20
Ethel M. Schaeffer	Student Nurse (part time)	30.67
Leota Fisher	Student Nurse (part time)	30.25
Lois R. Campbell	Graduate Teacher of Nurses (part time)	165.00
Mary E. Ferguson	Graduate Teacher of Nurses (part time)	185.00
Amanda Schneck	Student Nurse (part time)	28.29
Olivia Hill	Student Nurse (part time)	23.85
Nora Turner	Student Nurse (part time)	23.85
Eva Belle Clements	Student Nurse (part time)	22.88
Beatrice Jacobs	Student Nurse (part time)	13.61
Margaret Pressler	Student Nurse (part time)	12.50
Margaret Wall	Student Nurse (part time)	12.50
Charlotte Bush	Student Nurse (part time)	8.47
Emma Herbst	Student Nurse (part time)	11.39
Wm. Herbert Page	Professor of Law (part time)	1,875.00
G. W. Rightmire	Professor of Law (on leave)	2,000.00
A. H. Tuttle	Professor of Law	3,500.00
W. B. Cockley	Professor of Law	3,125.00
Clarence D. Laylin	Professor of Law	3,500.00
Homer C. Corry	Substitute Instructor in Law.....	1,800.00
F. L. Landacre	Professor and Head of Department of Anatomy	3,100.00
Edward C. Buck	Assistant Professor of Anatomy.....	2,500.00
J. H. Warren	Instructor in Histology and Embryology	1,800.00
R. A. Knouf	Assistant in Anatomy	800.00
Robert A. McDonald	Technician in Anatomy	900.00
Wm. P. Smith	Student Assistant in Anatomy.....	750.00
R. C. Baker	Graduate Assistant in Anatomy.....	300.00
W. H. Teachnor	Student Assistant in Anatomy (part time)	50.00
W. J. Gorey	Student Assistant in Anatomy (part time)	50.00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
W. M. Skipp	Student Assistant in Anatomy (part time)	\$ 50.00
B. S. Elam	Student Assistant in Anatomy (part time)	50.00
W. H. Lum	Student Assistant in Anatomy (part time)	50.00
W. S. Taylor	Student Assistant in Anatomy (part time)	50.00
H. H. Yoakum	Student Assistant in Anatomy	200.00
N. L. Burrell	Student Assistant in Anatomy (part time)	125.00
W. C. Rohleder	Student Assistant in Anatomy (part time)	100.00
A. R. Spindler	Student Assistant in Anatomy (part time)	100.00
D. L. Welday	Student Assistant in Anatomy (part time)	100.00
W. L. Beach	Student Assistant in Anatomy (part time)	125.00
Chas. B. Morrey	Professor and Head of Department of Bacteriology	2,750.00
Wm. A. Starin	Assistant Professor of Bacteriology.....	2,000.00
Henry B. Fronin	Instructor in Bacteriology	1,500.00
Vera M. McCoy	Instructor in Bacteriology	1,250.00
Samuel J. Schilling	Assistant in Bacteriology	450.00
Mozelle W. Whipps	Student Assistant in Bacteriology.....	300.00
Wm. L. Blecker	Student Assistant in Bacteriology.....	300.00
Harry I. Spear	Student Assistant in Bacteriology (part time)	75.00
Oscar Metze	Diener (part time)	460.00
Ernest Scott	Professor and Head of Department of Pathology	3,000.00
Carl L. Spohr	Professor of Clinical Pathology	2,500.00
Jonathan Forman	Assistant Professor of Pathology	1,900.00
Carl C. Hugger	Assistant in Pathology	900.00
Hazel Cameron	Technical Assistant in Pathology (part time)	770.00
Jerry Wright	Technician (part time)	50.00
W. M. Skipp	Technician (part time)	125.00
Robert G. Paterson	Assistant Professor of Public Health and Director Hospital and Dispensary Social Service	2,500.00
Emery R. Hayhurst	Assistant Professor of Industrial Hygiene and Medical Director of Dispensaries	2,500.00
J. H. J. Upham	Professor of Clinical Medicine and Acting Head of Department of Medicine..	1,800.00
H. B. Blakey	Assistant Professor of Medicine.....	300.00
J. J. Coons	Assistant Professor of Medicine.....	200.00
Chas. J. Shepard	Assistant Professor of Medicine.....	100.00
E. G. Horton	Assistant Professor of Medicine.....	100.00
E. J. Gordon	Instructor in Medicine and Resident Physician Protestant Hospital (part time)	300.00
S. A. Hatfield	Instructor in Medicine and Resident Physician St. Francis Hospital.....	1,800.00
H. O. Bratton	Instructor in Medicine	100.00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Robert L. Barnes	Assistant in Medicine	\$ 100.00
Joseph W. Leist	Assistant in Medicine	100.00
R. A. Ramsey	Instructor in Medicine	400.00
J. W. Sheets	Assistant in Medicine	200.00
Samuel Hindman	Assistant in Medicine	100.00
V. A. Dodd	Assistant Professor of Surgery and Acting Head of Department and Chief of Staff of Protestant Hospital	2,000.00
I. B. Harris	Assistant Professor Clinical Surgery and Chief of Staff—St. Francis Hospital ..	300.00
Yeatman Wardlow	Assistant Professor of Clinical Gynecology	200.00
Fred Fletcher	Assistant Professor of Gynecology	200.00
Leslie L. Bigelow	Assistant Professor of Surgery	200.00
E. A. Hamilton	Assistant Professor of Surgery (part time)	100.00
John W. Means	Instructor in Surgery	400.00
Carl D. Hoy	Instructor in Surgery (part time)	120.00
L. V. Zartman	Instructor in Surgery	400.00
Phillip Wilson	Instructor in Surgery	200.00
A. M. Steinfeld	Instructor in Orthopedic Surgery	100.00
H. A. Baldwin	Instructor in Genito-Urinary Surgery ..	100.00
C. M. Shepard	Instructor in Orthopedic Surgery	200.00
J. M. Gallen	Instructor in Gynecology	200.00
Hugh J. Means	Instructor in Roentgenology Radiographer for Protestant and St. Francis Hospitals	600.00
E. M. Freese	Assistant in Surgery	100.00
Phillip J. Reel	Assistant in Surgery	300.00
Carl C. Hugger	Assistant in Roentgenology—Protestant Hospital	100.00
F. A. Reickhoff	Assistant in Roentgenology—St. Francis Hospital	200.00
Edward C. Ludwig	Assistant in Surgery (part time)	350.00
Clyde Brooks	Professor of Physiology, Physiological Chemistry and Pharmacology and Head of Department	3,500.00
A. M. Bleile	Professor of Physiology	3,000.00
Clayton McPeck	Assistant Professor of Physiology	2,500.00
R. J. Seymour	Assistant Professor of Physiology	2,000.00
E. P. Durrant	Instructor in Physiology	1,600.00
C. I. Reed	Instructor in Physiology	1,200.00
Bernard Raymund	Student Assistant in Physiology	250.00
Harry J. Schlaich	Laboratory and Research Assistant in Physiological Chemistry	800.00
William Irving	Technical Assistant	1,100.00
Andréws Rogers	Professor and Acting Head of Department of Obstetrics	400.00
Chas. W. Hadley	Instructor in Obstetrics	300.00
Gilbert W. Brehm	Instructor in Obstetrics	300.00
J. E. Brown	Professor of Oto-Laryngology and Head of Department .....	.....
Andrew Timberman	Professor of Ophthalmology .....	.....
Geo. C. Schaefer	Professor of Ophthalmology	100.00
Hugh G. Beatty	Instructor in Oto-Laryngology	200.00
Andrew W. Prout	Instructor in Oto-Laryngology	200.00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Arthur M. Hauer	Instructor in Oto-Laryngology	\$ 200.00
Ivor G. Clark	Instructor in Ophthalmology	200.00
John B. Alcorn	Assistant in Ophthalmology	100.00
W. H. Hodges	Assistant in Oto-Laryngology	100.00
T. Reese Williams	Assistant in Ophthalmology	.....
Gordon L. Erbaugh	Pharmacist—State St. Dispensary (part time)	187.69
W. H. Gorrell	Drug Clerk—State St. and Park St. (part time)	44.00
Henry Hudge	Pharmacist	200.00
E. H. Ryan	Interne—Protestant Hospital (part time)	10.00
Peter Bausch	Interne—Protestant Hospital (part time)	10.00
W. E. Dapp	Interne—St. Francis Hospital (part time)	10.00
C. F. Shively	Interne—St. Francis Hospital	20.00
H. V. Postle	Interne—St. Francis Hospital	20.00
Edward Spease	Assistant Professor of Pharmacy	525.00
K. F. Schmidt	Graduate Assistant in Pharmacy	350.00
Charles E. Pake	Graduate Assistant in Pharmacy	350.00
Edward D. Davy	Temporary Assistant in Pharmacy	1,200.00
S. Sisson	Professor of Comparative Anatomy	3,500.00
O. V. Brumley	Professor of Veterinary Surgery	3,500.00
A. G. G. Richardson	Professor of Veterinary Pathology	2,650.00
F. A. Lambert	Assistant Professor of Comparative Anatomy	1,900.00
J. H. Snook	Assistant Professor of Veterinary Surgery	1,900.00
J. N. Shoemaker	Assistant Professor of Veterinary Medicine	1,650.00
Walter R. Hobbs	Instructor in Veterinary Surgery	1,300.00
R. L. Mundhenk	Instructor in Veterinary Pathology (part time)	440.00
J. N. Shoemaker	Manager Summer Clinic	300.00
John Torr	Hospital Clerk	600.00
R. E. Rebrassier	Temporary Assistant in Veterinary Pathology	1,000.00
Olive Jones	Librarian	2,000.00
Harriet N. Townsend	Assistant in Library	840.00
Gertrude S. Kellicott	Accession Librarian	1,500.00
Donald Leidigh	Accession Assistant	840.00
Alice D. McKee	Cataloguer	960.00
Maud Jeffrey	Reference Librarian	1,500.00
Chas. W. Reeder	Reference Librarian	1,800.00
Bertha Schneider	Head Cataloguer	1,260.00
Nelson McCombs	Library Assistant (part time)	550.00
Louise Schoeneweiss	Library Assistant	1,020.00
Alice Morris	Library Assistant	900.00
Bliss Magly	Stack Assistant	600.00
Edwin G. Schatzmann	Night Assistant	360.00
Marguerite Mitchell	Library Assistant	960.00
Lillian Nippert	Library Assistant	720.00
Harriet S. Dutcher	Assistant Cataloguer	960.00
Paul R. Byrne	Reference Assistant	1,200.00
Amy C. Crane	Library Assistant (part time)	450.00
E. F. Gerish	Night Assistant (part time)	75.00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Esther S. Chapin	Cataloguer (part time)	\$ 800.00
Mary E. Lewis	Library Assistant	720.00
E. C. Hedrick	Check Room Attendant	840.00
Marie Hopkins	Loan Desk Assistant	360.00
Augusta Eckstein	Collation Assistant	360.00
Mae M. Walker (Mrs.)	Library Assistant	720.00
Alice Cruikshank	Cataloguer	960.00
Margaret K. Forwick	Library Assistant	600.00
Harry E. Schwall	Night Assistant (part time)	285.00
Helen E. Sells	Library Assistant (part time)	150.00
Evelyn Melsheimer (Mrs.)	Library Assistant (part time)	50.00
George L. Converse	Professor of Military Science	1,700.00
Gustav Bruder	Bandmaster	400.00
George Armstrong	Sergeant (part time)	65.83
John S. Peters	Sergeant (part time)	67.08
Andrew Clark	Sergeant (part time)	62.09
A. J. Merrill	Sergeant (part time)	79.58
J. F. Madden	Sergeant (part time)	75.00
James H. Tilford	Captain (part time)	480.00
Robert S. Sherrard	Lieutenant (part time)	600.00
L. W. St. John	Professor of Physical Education	3,000.00
Henry C. Ohlson	Instructor in Physical Education	1,700.00
A. W. Marsh	Instructor in Physical Education	1,500.00
George M. Trautman	Instructor in Physical Education	1,500.00
Florence A. Meyer	Assistant Professor in Physical Education	1,700.00
Margaret C. Hammett	Instructor in Physical Education	1,200.00
J. H. Nichols	Assistant Professor of Physical Education	2,250.00
Selma Mesloh	Assistant in Physical Education	400.00
Mrs. Clark Hunter	Pianist	500.00
Lola Stout	Maid	450.00
Glenn H. Alexander	Temporary Student Assistant	240.00
J. N. Bradford	University Architect	2,800.00
Ray Sims	Chief Draftsman (part time)	1,187.50
Coletta Kelly	Stenographer	840.00
Harry F. Reichard	Clerk of the Works	1,320.00
C. F. Mayer	Draftsman	1,080.00
F. Leo Smith	Draftsman (part time)	189.10
Caroline M. Breyfogle	Professor of Biblical History and Dean of Women	2,000.00
Arema O'Brien	Assistant to Dean of Women	840.00
Katherine H. Duncan	Executive Clerk	1,500.00
Eva L. Schilling (Mrs.)	Stenographer	840.00
Carl E. Steeb	Secretary and Business Manager	5,000.00
R. M. Royer	Purchasing Agent	2,000.00
Bess C. Watters	Cashier	1,200.00
Jane S. Haskett	Chief Clerk	1,200.00
Mary Kraus	Auditor	1,200.00
Clara Baker	Bookkeeper (part time)	225.00
Helen Zeller	Inventory Clerk (part time)	500.00
Louise Kraus	Cost Clerk (part time)	212.50
Ethel Gilkey	Clerk	780.00
Katherine Vogel	Clerk	900.00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Hazel B. Bratton	Typist	\$ 720.00
Harold F. Keenan	Clerk	660.00
Edgar W. Dean	Comptroller	1,900.00
Marguerite Lewis	Stenographer	730.00
Iva M. Eddy	Bookkeeper (part time)	675.00
Minnette Fritts	Clerk—Student (part time)	270.00
Charles A. Kuntz	Inventory Clerk (part time)	800.00
Esther P. Morrow	Clerk (part time)	332.69
Edith D. Cockins	Registrar, Secretary of Faculty and University Editor	2,200.00
Lucy M. Taylor	Assistant to Registrar	1,200.00
Clara Miller	Assistant to Registrar	900.00
Helen M. Clarke	Assistant to Registrar	900.00
Sara J. Jacobs	Assistant to Registrar	840.00
Winifred W. Warner	Assistant to Registrar	780.00
Ethyl Woodbury	Assistant to Registrar (part time)	660.00
Helen H. Patton	Assistant to Registrar (part time)	640.00
Lester E. Wolfe	Secretary of Entrance Board	2,200.00
Frances B. Work	Stenographer	720.00
Wilda B. Ruth	Stenographer	660.00
F. E. Jones	Receiving Clerk	1,900.00
H. W. Brewer	Storekeeper	1,020.00
H. W. Miller	First Assistant	900.00
Errett A. Davis	Second Assistant	840.00
James Lawson	Checking Clerk	840.00
Earl Conway	Stock Clerk	840.00
Blanche Sullivan	Clerk	840.00
Florence Hill	Clerk (part time)	650.00
George C. Hayman	Third Assistant	720.00
Mabel Clum (Mrs.)	Typist	720.00
Willis Fichtelman	Delivery Man (part time)	165.00
Coit Clements	Helper (part time)	200.00
Chester McClintock	Assistant Storekeeper (part time)	666.35
J. R. Remy	Laborer (part time)	535.00
Carl Snyder	Helper (part time)	132.69
Elizabeth Palmer	Stenographer (part time)	125.00
Alene Williams	Stenographer (part time)	400.00
Aimee Obaugh	Stenographer	720.00
Naomi Haber	Clerk	660.00
Mary Lahmering	Stenographer	720.00
Lenora Glasgow	Stenographer	780.00
Annette Shugert	Stenographer	720.00
Mary E. Thomas	Stenographer	720.00
John F. Madden	Armorer (part time)	360.00
Charles Findlay	Secretary to Dean in College of Medicine (part time)	918.34
W. F. Felch	Clerk	720.00
Mabel Moran	Stenographer	660.00
Eva Smith	Stenographer	720.00
Hugh Hardy	Clerk	840.00
Lurene Wade	Clerk	660.00
Alta Eason	Stenographer (part time)	150.00
Marie D. Haines	Sales Clerk	680.00
M. Grace White	Stenographer	660.00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Clarissa Arndt	Stenographer	\$ 660.00
Helen Silberbert	Stenographer	600.00
Mary J. Hunter (Mrs.)	Stenographer	600.00
Carrie F. Dudley	Clerk (part time)	225.00
Allie F. Harness	Clerk	660.00
Florence M. Spencer	Stenographer	600.00
Margaret W. Fisher	Stenographer	660.00
Ruth M. Ford	Stenographer	660.00
Ada L. Taylor	Stenographer (part time)	125.00
Agnes L. Ryan	Stenographer	600.00
Katherine E. Conard	Stenographer (part time)	235.38
Lulu M. Shepard	Stenographer (part time)	430.77
Alberta Williams	Stenographer (part time)	450.00
Edith Rathbun	Stenographer	600.00
Charles A. Kuntz	Secretary to Dean in College of Medicine (part time)	400.00
Faye Warden	Stenographer (part time)	290.00
Helen Jones	Stenographer (part time)	540.00
M. Helen Pugh	Stenographer (part time)	350.00
Martha B. Smith	Stenographer (part time)	535.38
Okley H. Graham	Clerk-Stenographer (part time)	498.46
Mary Farmer	Stenographer (part time)	413.46
Alice A. Moran	Stenographer (part time)	334.61
Harriet H. Wylie	Stenographer (part time)	240.00
Blanche L. Clark (Mrs.) ..	Stenographer (part time)	173.08
Orleta Ansel	Stenographer (part time)	157.69
Margaret M. Hohmann	Stenographer (part time)	23.08
Gladys E. Weyant	Stenographer (part time)	30.77
Louis Mazzola	Laborer (part time)	115.00
Charles M. Hicks	Inspector	960.00
Richard Brandon	Janitor	660.00
Walter F. Penn	Janitor (part time)	433.33
W. M. Stahl	Janitor	660.00
D. W. Williams	Janitor	660.00
Wm. Daehler	Janitor	660.00
W. H. Spurgeon	Janitor	660.00
M. N. Cook	Janitor	660.00
Harry Chantler	Janitor	690.00
John O'Rourke	Janitor	720.00
O. E. Kiger	Janitor	690.00
J. J. Weate	Janitor	690.00
W. W. Whitmer	Janitor	690.00
Carl C. Lowe	Student Janitor	268.33
S. A. Williams	Janitor	660.00
Lou Cornett	Janitress	450.00
John W. Brown	Janitor	660.00
W. E. Simpson	Janitor	660.00
G. C. Denny	Janitor	690.00
B. N. Lewis	Janitor	660.00
Oliver Smith	Janitor	690.00
R. M. Moore	Janitor	690.00
Fred Fleisher	Janitor	690.00
J. W. DeWitt	Janitor	690.00
Jack Gantz	Janitor	660.00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Leonard F. Jordan	Janitor	\$ 690.00
B. F. Tallmadge	Janitor	690.00
G. W. Weygandt	Janitor (part time)	230.00
W. H. Walker	Janitor	690.00
E. L. Clements	Janitor	720.00
Oscar Metze	Janitor (part time)	230.00
E. B. Seaman	Janitor	300.00
G. Miller	Janitor	660.00
Charles A. Hopkins	Janitor	690.00
W. Curry	Janitor	690.00
James E. Halliday	Janitor	690.00
James Merrill	Janitor	600.00
James Merrill (Mrs.)	Janitress (part time)	232.00
Huston Jones	Diener	660.00
Thomas Evans	Janitor	660.00
William Pohle	Janitor	660.00
John Long	Janitor	690.00
Agnes McGrail	Janitress (part time)	337.50
S. T. Brooks	Janitor (part time)	172.50
E. R. Muse	Janitor (part time)	550.00
L. W. Richardson	Janitor	690.00
M. S. Harvey	Elevator Man	420.00
E. J. Nutt	Janitor	660.00
Virgil E. Brevoort	Janitor (part time)	526.73
John E. Snodgress	Janitor (part time)	253.84
Mrs. Mary J. Wagner	Janitress (part time)	366.35
Estella B. Robinson	Janitress (part time)	54.81
Mrs. Stella Rohr	Janitress (part time)	156.25
Fred F. Smith	Janitor (part time)	376.54
Augustus A. Hathaway	Janitor (part time)	514.04
Delphus R. Kimball	Janitor (part time)	507.69
W. M. Mutchmore	Custodian	1,200.00
H. S. Wingert	Director of Student Health Service	2,750.00
Mary Powers	Matron of Rest Room	450.00
D. J. Demorest	University Chemist	500.00
Alfred R. Barrington	Musical Director	500.00
William C. McCracken	Superintendent of Buildings and Grounds	3,000.00
C. M. Dunbar	Clerk	1,020.00
Edmund R. Millfelt	Janitor	720.00
Robert C. Kaiser	Plumber	1,200.00
H. E. Truxall	Painter	1,050.00
E. Inscho	Plumber's Helper	840.00
T. McGarry	Foreman of Campus	960.00
H. R. Johnson	Tinner	1,050.00
J. Kraner	Carpenter	1,200.00
J. Brain	Painter	900.00
V. G. McKinnon	Painter (part time)	880.00
E. Long	Campus Laborer (part time)	517.50
L. Stewart	Campus Laborer	660.00
Andrew Armstrong	Campus Laborer	660.00
Joseph Venis	Campus Laborer	690.00
Martin Coughlin	Carpenter	1,100.00
G. A. Johnson	Carpenter (part time)	366.64

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Grover C. Fairman	Campus Laborer (part time)	\$ 195.00
Elmer George	Laborer (part time)	482.11
C. J. Leckliter	Campus Laborer (part time)	150.19
W. I. Martin	Carpenter (part time)	652.50
William Board	Laborer (part time)	227.50
J. Fredo	Campus Laborer (part time)	165.00
Walter F. Hall	Campus Laborer (part time)	88.83
Irwin Harrison	Campus Laborer (part time)	65.00
J. P. Covan	Master Mechanic	1,800.00
W. H. Case	Assistant Chief Engineer ...	1,200.00
Fred Brewer	Engineer	1,020.00
W. D. Hicks	Engineer	1,020.00
C. Ashenhurst	Fireman	900.00
Samuel Lowry	Fireman	900.00
Otto Law	Fireman (part time)	242.50
A. O. Kaiser	Helper to Engineer	900.00
F. H. Beck	Electrician	1,200.00
G. W. Dillahunst	Assistant Electrician	1,020.00
Wm. Anderson	Craneman	960.00
B. A. LeBay	Steamfitter	1,020.00
I. C. Reasoner	Blacksmith	900.00
Clinton T. Fippin	Helper	720.00
C. Woodford	Fireman	900.00
G. E. Shepherd	Steamfitter	1,200.00
J. E. B. Snyder	Engineer (part time)	170.00
Thomas V. Allen	Night Trouble Man (part time)	875.00
J. Fredo	Laborer (part time)	512.50
T. Garson	Ash Wheeler	690.00
L. Mazzolla	Ash Wheeler	575.00
F. Richi	Ash Wheeler	690.00
J. Marchezo	Wiper	690.00
Charles Reasoner	Blacksmith's Helper	600.00
Randolph M. Ronk	Engineer (part time)	804.33
Fletcher R. Knox	Fireman (part time)	372.50
James F. Walker	Fireman (part time)	190.00
Robert Petrie	Janitor (part time)	482.17
Mrs. Eliza Monnett	Janitress (part time)	213.46
George J. Hoesch	Janitor (part time)	460.00
Lillian Monnett	Janitress (part time)	212.02
John R. Butler	Janitor (part time)	302.50
Mrs. Lydia Dawson	Janitress (part time)	140.00
E. Long	Janitor (part time)	172.50
J. S. VanNorman	Janitor (part time)	76.16
J. S. Dannley	Student Janitor (part time)	34.17
William North	Day Policeman	840.00
W. F. Mahaffey	Night Watchman	750.00
John T. Daniels	Night Watchman	750.00
H. S. Brown	Policeman	780.00
Bert E. Faught	Laundryman (part time)	200.00
Mrs. Myrtle Faught	Laundress	600.00
A. E. Sigler	Laundryman (part time)	28.85
Frank Leezer	Laundryman (part time)	55.77
Agnes McGrail	Laundress (part time)	112.50

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Mabel Romick	Clerk	\$ 660.00
Harry E. Lochner	Orderly (part time)	82.69
Georgia Johnston	Housekeeper (part time)	262.84
Ruth Nimocks	Housemaid	312.83
Maria Humphrey	Seamstress (part time)	120.00
Clara Butt	Waitress (part time)	132.14
A. V. Hadley	Assistant in Homeopathic Hospital.....	400.00
Lydia Hinderer	Cook—Homeopathic Hospital (part time)	317.14
Alice B. Taylor	Stenographer (part time)	243.75
Marie Smith	Waitress (part time)	72.85
Anna B. Dixon	Cook's Helper (part time)	95.99
Marion Cramer	Orderly (part time)	50.00
Helen Ray Moore	Waitress (part time)	43.57
Aloysius Zierhut	Pressman (part time)	962.00
Laura E. Dusenberry	Pressfeeder (part time)	45.00
R. W. Hodgson.....	Printer	1,282.00
Sue K. Brown	Pressfeeder (part time)	443.50
William Christ	Apprentice	571.50
William J. Huske	Printer (part time)	1,086.57
Clara L. Baker	Bookkeeper (part time)	675.00
Carrie F. Dudley	Clerk (part time)	75.00
Katherine L. Pugh	Stenographer (part time)	350.00

AGRICULTURAL EXTENSION SERVICE

Clark S. Wheeler	Director of Agricultural Extension.....	3,600.00
J. E. McClintock	Supervisor of Publications	3,000.00
*O. M. Johnson	County Agent Leader	750.00
F. L. Allen	Supervisor of Farmers' Institutes and Extension Schools	2,500 00
(1) Edna N. White	Supervisor of Extension Work in Home Economics	1,000.00
*W. H. Palmer	State Leader Boys' and Girls' Club Work	1,000.00
(1) Oscar Erf	Supervisor of Extension Work in Dairy- ing	500.00
*Ivan McKellip	Field Men in Cow Testing	500.00
*G. N. Dagger	Farm Management Demonstrator	600.00
George B. Crane	Secretary	1,800.00
M. A. Bachtell	Asst. Professor of Agricultural Chem- istry	2,200.00
R. B. Cruickshank	Asst. Professor of Horticulture	2,200.00
W. E. Hanger.....	Asst. Professor of Farm Crops.....	2,000.00
H. E. Eswine	Instructor in Public School Agriculture..	1,500.00
Virgil Overholt	Instructor in Agricultural Engineering..	1,500.00
R. C. Miller	Instructor in Agricultural Engineering..	1,200.00
M. C. Kilpatrick	Instructor in Poultry Husbandry.....	1,700.00
John W. Wuichet	Instructor in Animal Husbandry.....	1,800.00
Clifford T. Conklin	Instructor in Animal Husbandry.....	1,200.00
Rhoda E. Dick	Instructor in Home Economics.....	1,560.00
Treva Kauffman	Instructor in Home Economics (part time)	240.00

(1) Receives part salary in another department of the University.

*Receives part salary from U. S. Department of Agriculture.

ANNUAL REPORT

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
*Treva Kauffman	Assistant State Leader Girls' Club Work (part time)	\$ 400.00
*Maude Okey	Instructor in Home Economics	780.00
Florence Willison	Instructor in Home Economics	1,260.00
Nan Sharples	Instructor in Home Economics	1,260.00
Hulda Horst	Instructor in Home Economics	1,200.00
Mary Graber	Instructor in Home Economics	1,200.00
Jessie Whitacre	Instructor in Home Economics	1,200.00
Margaret Krause	Instructor in Home Economics	1,080.00
Charlotte Johnson	Instructor in Home Economics (part time)	900.00
Frank C. Dean	Assistant in Publications	1,800.00
Howard Call	Assistant in Extension Schools (6 mos.)	960.00
John I. Falconer	Assistant in Farm Management Demonstration (2 mos.)	400.00
Hannah Jones	Secretary of Farmers' Institutes	1,200.00
*L. P. Beechey	Asst. Professor of Veterinary Science (part time)	250.00
*Donald D. Hughes	Demonstrator in Farm Management (part time)	100.00
Floyd DeLashmutt	Cow Tester (half time)	450.00
E. N. Fergus	Chemist (half time)	600.00
Elizabeth Hopkins	Stenographer (part time)	720.00
Luella Searle	Stenographer	720.00
Nora Peck	Stenographer	900.00
Helen Davis	Stenographer	660.00
Margaret McMillan	Stenographer	780.00
Martha Beach	Stenographer	600.00
Blanche Wilson	Stenographer	660.00
Ethel Schramm	Stenographer	660.00
Marie Mather	Stenographer	600.00
Edith A. Ray	Stenographer	600.00
Ada Taylor	Stenographer (half time)	300.00
Clara Stegner	Stenographer	600.00
Estelle I. Byrne	Clerk	900.00
Jessie Haible	Stenographer	480.00
Robert B. Arzt	Clerk	600.00
Nellie Weimer	Stenographer (part time)	256.66
Bertha A. Davis	Stenographer	600.00
Carrie L. Beach	Stenographer (part time)	169.20
Lucile F. Hastings	Stenographer (part time)	150.00
Ethel M. Corry	Stenographer (part time)	372.31
Gertrude F. Klein	Stenographer (part time)	167.28
Mary Fouch	Stenographer	660.00
J. A. Bond	Janitor	720.00

The following named persons receive part salary only from University funds, the balance being paid by the U. S. Department of Agriculture, the Ohio Agricultural Experiment Station and the counties:

E. A. Brenneman	County Agent	1,800.00
Milford Bartter	County Agent	1,200.00
M. O. Bugby	County Agent (part time)	300.00
George R. Eastwood	County Agent	600.00

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
K. C. Egbert	County Agent (part time)	\$ 450.00
D. W. Galehouse	County Agent (part time)	375.00
Joseph P. Hershberger	County Agent (part time)	450.00
H. P. Miller	County Agent	1,000.00
E. J. Riggs	County Agent (part time)	77.77
S. B. Stowe	County Agent	900.00
M. C. Thomas	County Agent	2,200.00
D. R. Vanatta	County Agent	600.00
A. G. Smith	County Agent	1,500.00
W. E. McCoy	County Agent (part time)	1,750.00
Edgar C. Richey	County Agent (part time)	1,266.67
W. W. Brownfield	County Agent (part time)	700.00
R. D. Long	County Agent (part time)	858.43
J. C. Hedge	County Agent (part time)	1,038.46
A. J. Swift	County Agent (part time)	766.66
H. A. Lehman	County Agent (part time)	750.00
Charles H. Mahan	County Agent (part time)	1,050.00
W. R. Wheelock	County Agent (part time)	584.62
Thomas J. Foster	County Agent (part time)	566.67

GRADUATE SCHOLARS AND FELLOWS

Carl W. Bock	Graduate Fellow	500.00
Erwin H. Bohm	Graduate Fellow	500.00
F. A. Fenton	Graduate Fellow	500.00
Wilmer C. Gangloff	Graduate Fellow	500.00
Enoch F. George	Graduate Fellow	500.00
Warner E. Gettys	Graduate Fellow	500.00
Raymond Gregory	Graduate Fellow	500.00
C. P. McNeil	Graduate Fellow	500.00
Adolph Waller	Graduate Fellow	500.00
Robert D. Williams	Graduate Fellow	500.00
Frank H. Lathrop	Graduate Fellow	500.00
Lily M. Batterham	Graduate Scholar	250.00
George N. Baumiller	Graduate Scholar	250.00
William H. Lapp	Graduate Scholar	250.00
Mildred Myers	Graduate Scholar	250.00
Harold E. Peebles	Graduate Scholar	250.00
James E. Pollard	Graduate Scholar	250.00
Rogers D. Rusk	Graduate Scholar	250.00
Henry W. Schuer	Graduate Scholar	250.00
Carrie E. Wolfe	Graduate Scholar	250.00
Myrla Lowe	Graduate Scholar	250.00
Ethel Ewing	Graduate Scholar	250.00
Anthony Marino	Graduate Scholar	250.00
Glenn O. Swing	Graduate Scholar	250.00
Elma G. Baldwin	Graduate Scholar	250.00
Marjorie L. Brown	Graduate Scholar	250.00
Cornelius O. Edington	Graduate Scholar	250.00
Harry S. Will	Graduate Scholar	250.00

APPENDIX IV

THE WORK OF INSTRUCTORS 1916-1917

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
AGRICULTURAL CHEMISTRY						
General Agricultural Chemistry	103	5	171	.....	.....	.....
Dairy Chemistry	107	4	18	108	4	18
Chemistry of Insecticides and Fungicides	113	2	4	.....	.....	.....
Household Chemistry	124	4	46	123	4	87
Research in Agricultural Chemistry.....	131	2	1	132	2	1
Elementary Soils .....	.....	.....	.....	152	5	145
Advanced Soils	153	2	31	154	2	22
Origin and Classification of Soils.....	157	3	6	.....	.....	.....
Soil Analysis	155	3	13	156	3	10
Research in Soils	201	5-10	5	202	5-10	5
Applications of Chemistry to Agriculture	51	4	102	52	4	89
Elementary Soils	53	3	57	54	3	53
AGRICULTURAL ENGINEERING						
Farm Engineering	101	4	104	101	4	77
Farm Structures	103	3	8	.....	.....	.....
Drainage .....	.....	.....	.....	106	3	23
Advanced Farm Machinery .....	.....	.....	.....	110	2	7
Farm Power	107	3	17	.....	.....	.....
Concrete Construction .....	.....	.....	.....	108	3	.....
Special Problems	111	2-5	3	112	2-5	9
Design of Dairy Buildings.....	.....	.....	.....	114	2	8
Farm Structures	51	4	48	51	4	47
Farm Machinery	52	4	23	52	4	28
Farm Power .....	.....	.....	.....	54	4	65
Concrete Construction	53	3	33	.....	.....	.....
AMERICAN HISTORY						
History of the United States (1763-1829)	101	3	450	101	3	85
History of the United States (1829-1912) .....	.....	.....	.....	102	3	376
Formation of the Constitution.....	107	2	8	.....	.....	.....
Constitutional History of the United States .....	.....	.....	.....	108	2	9
Early Political Parties in the United States	109	2	23	.....	.....	.....
Political Parties in the United States (1852-1912) .....	.....	.....	.....	110	2	26
The Slavery Struggle in the United States	111	3	9	.....	.....	.....
Reconstruction and its Results, 1863-1915 .....	.....	.....	.....	112	3	11
The History of the Westward Movement to 1812	115	3	7	.....	.....	.....
The History of the Westward Movement Since 1812 .....	.....	.....	.....	116	3	5
Introduction to Historical Research.....	119	2	8	120	2	5
The Teaching of American History.....	121	2	17	.....	.....	.....

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
AMERICAN HISTORY—Concluded						
Recent History of the United States, 1870-1910	123	3	34	124	3	31
Colonial Period of Latin America.....	125	2	3	126	2	4
History of the Latin-American Republics	205	2	2	206	2	4
Graduate Seminar	207	2	2	208	2	2
Problems of Recent and Contemporary History						
ANATOMY						
Comparative Anatomy of the Vertebrates	101	3-5	17	102	3-5	9
Vertebrate Embryology	103	3-5	5	104	3-5	8
Elementary Neurology	107	3-5	6	108	3-5	6
Human Anatomy (Gross) (Dental)....	125	4	26	126	4	38
Applied Human Anatomy (Dental)....	131	3	70			
Histology and Embryology (Dental)....	139	3	24	140	3	24
Human Anatomy Gross (Medicine)....	121	6	39	122	4	35
Applied Human Anatomy (Medical)....	127	3	19			
Histology and Embryology (Medical)...	133	6	41	134	4	29
Neurology (Medical)	134			136	4	31
Histology (Veterinary)	142	5	25			
Embryology (Veterinary)				142	4	21
Cytology	113	3-5	1	114	3-5	1
Research Work	203	5-10	2	204	5-10	2
Comp. Anatomy of Vertebrates (Pre-medical)				102	3-5	110
Technique, General and Special.....	149	3-5	5	150	3-5	3
The Eye (Applied Optics)				145	4	3
ANIMAL HUSBANDRY						
Types and Classes of Cattle and Sheep..	101	4	20			
Types and Classes of Horses and Swine..				102	4	17
Breeds of Horses and Sheep.....	103	4	42			
Breeds of Cattle and Swine.....				104	4	36
Feeding Animals	105	3	86			
Principles of Breeding				106	4	32
Animal Conformation and Stock Judging	107	4	13			
Live Stock Management				108	4	37
Horse Training, Harness and Vehicles...	109	2	12			
Meats and Meat Products.....				110	1	18
Live Stock Marketing and Commerce....	112	3	21			
Dairy Cattle				116	4	42
Poultry Husbandry	117	3	22			
Poultry Husbandry				118	3	15
Poultry Management	119	2	3			
Poultry Feeding				120	1	3
Poultry Culture	121	1	5	121	1	5

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
ANIMAL HUSBANDRY—Concluded						
Incubator Practice .....	.....	.....	.....	122	1	11
Poultry Judging .....	.....	.....	.....	124	2	5
Wools and Other Animal Fibers .....	.....	.....	.....	126	3	2
Types and Breeds of Live Stock .....	.....	.....	.....	132	3	23
Types and Breeds of Live Stock	51	4	92	52	4	92
Dairy Cattle	53	4	22	.....	.....	.....
Feeding Live Stock	54	4	30	54	4	33
Breeding Live Stock .....	.....	.....	.....	56	4	63
Live Stock Management	57	4	64	.....	.....	.....
Poultry Husbandry	59	3	41	60	3	28
ARCHITECTURE						
Junior Design	107	3	20	108	4	19
Ornament	109	3	20	.....	.....	.....
Working Drawings .....	.....	.....	.....	110	4	21
Architectural Design .....	.....	.....	.....	114	3	12
Composition	113	2	19	.....	.....	.....
Senior Design	115	5	14	115	5	1
Professional Practice .....	.....	.....	.....	116	4	14
Plumbing	117	1	15	.....	.....	.....
Thesis	118	5	5	118	5	11
Masonry	119	2	11	.....	.....	.....
Fire Protection	123	2	13	.....	.....	.....
Shades, Shadows and Perspective .....	.....	.....	.....	124	3	25
Water Color Rendering	125	2	12	125	2	1
Elements of Architecture	131	2	41	132	2	33
History of Architecture	133	3	36	134	3	26
Order Problems	141	5	19	.....	.....	.....
Sophomore Design .....	.....	.....	.....	142	5	19
Architectural Design—Special .....	.....	4	2	.....	4	1
Photography	111	2	49	111	2	51
ART						
Elementary Drawing	131	2	171	131	2	28
Elementary Drawing	132	2	11	132	2	68
Advanced Drawing	133	2	17	133	2	11
Drawing from Life	134	3	4	134	3	8
Illustrative Drawing	135	4	4	135	4	5
Water Color Painting	136	2	4	136	2	22
Advanced Water Color .....	.....	.....	.....	137	3	4
Oil Painting	138	3	5	138	3	2
Advanced Oil Painting .....	.....	.....	.....	139	3	3
Elementary Design	141	2	13	141	2	93
Advanced Design	142	3	8	142	3	4
Specialized Design .....	.....	.....	.....	143	3	6
Commercial Design .....	.....	.....	.....	144	3	5

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
ART—Concluded						
History of Classic Art.....	151	3	10	151	3	10
History of Medieval Art.....	152	3	8	152	3	8
History of Renaissance and Modern Art.....	153	3	8	.....	.....	.....
The History and Practice of Teaching Art.....	117	3	6	.....	.....	.....
Appreciation of Art.....	119	1	203	119	1	139
Costume Design.....	121	2	19	121	2	10
ASTRONOMY						
Astronomy, Geodesy and Least Squares..	104	3	30	105	3	26
General Astronomy.....	101	3	51	102	3	32
Applied Optics.....	109	3	1	110	3	1
Advanced Astronomy.....	107	3	1	108	3	1
Introductory Celestial Mechanics.....	111	3	1	112	3	1
BACTERIOLOGY						
Bacteriology for three-year Agriculture Students.....	51	4	10	.....	.....	.....
Bacteriology for Short Course Pharmacy Students.....	.....	.....	.....	102	2	18
General Bacteriology.....	107	4	138	.....	.....	.....
Human Pathogenic Bacteriology.....	.....	.....	.....	108	2-5	52
Dairy Bacteriology.....	.....	.....	.....	110	2-5	14
Soil Bacteriology.....	.....	.....	.....	112	2-5	8
Water Examination, Sewage Disposal, Water Filtration.....	.....	.....	.....	114	2-5	6
Bacteriological Chemistry.....	.....	.....	.....	116	2-5	4
Immunity and Serum Therapy.....	117	2-5	44	.....	.....	.....
Immunity and Serum Therapy.....	.....	.....	.....	118	2-5	20
Pathogenic Protozoa.....	119	2-5	10	.....	.....	.....
Pathogenic Protozoa.....	.....	.....	.....	120	2-5	0
Advanced Dairy Bacteriology.....	121	2-5	0	.....	.....	.....
Advanced Dairy Bacteriology.....	.....	.....	.....	122	2-5	0
Advanced Soil Bacteriology.....	123	2-5	0	.....	.....	.....
Advanced Soil Bacteriology.....	.....	.....	.....	124	2-5	0
Special Problems in Bacteriology (Research).....	125	3-5	7	.....	.....	.....
Special Problems in Bacteriology (Research).....	.....	.....	.....	126	3-5	9
General Bacteriology for Veterinary Students.....	131	4	24	.....	.....	.....
Pathogenic Bacteriology for Veterinary Students.....	.....	.....	.....	132	4	35
General and Human Pathogenic for Medical and H. M.	141	6	16	.....	.....	.....
General Bacteriology for Dental Students.....	.....	.....	.....	150	4	85

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
BIBLICAL LITERATURE						
103-104—The History of Religion in Outline	103	3	3	104	3	3
BIBLIOGRAPHY						
The Library and the School.....	101	1	5	102	1	8
Agricultural Bibliography	103	$\frac{1}{2}$	20	.....	.....	.....
Bibliography for the Social Sciences.....	105	1	15	106	1	15
BOTANY						
General Botany	101	4	307	102	4	280
Plant Histology	107	2	4	.....	.....	.....
General Dendrology	110	2	8	.....	.....	.....
Morphology of the Higher Fungi.....	113	3	1	.....	.....	.....
Plant Pathology .....	.....	.....	.....	116	3	27
Field Ecology	117	3	13	118	3	12
Field Botany .....	.....	.....	.....	120	3	8
Plant Genetics (Grad.)	121	3	14	.....	.....	.....
Plant Physiology	125	4	31	126	4	24
General Plant Pathology (Grad.)	127	4	9	128	4	8
Systematic Botany (Grad.)	129	3-5	8	130	3-5	7
Cytology and Microtechnique (Grad.)...	131	3-5	1	132	3-5	1
Minor Investigations (Grad.)	133	3-5	6	134	3-5	12
Evolution of Plants (Grad.)	135	1	6	136	1	6
Seminary (Grad.)	137	1	.....	138	1	.....
Advanced Mycology (Grad.)	139	3-5	5	140	3-5	3
Dendrology of Conifers .....	.....	.....	.....	142	2	7
Structure and Identification of Wood...	.....	.....	.....	146	2	6
Research in Systematic Botany (Grad.)	201	3-10	1	202	3-10	1
Research in Physiology and Ecology (Grad.)	205	4-10	4	206	4-10	4
Research in Mycology and Plant Pathology (Grad.)	207	4-10	1	208	4-10	1
CERAMIC ENGINEERING						
Ceramic Chemistry	101	4	24	.....	.....	.....
Ceramic Chemistry .....	.....	.....	.....	102	4	25
Ceramic Calculations	105	2	25	.....	.....	.....
Physical and Chemical Measurements of Clays .....	.....	.....	.....	108	3	23
Laboratory Work in Ceramics.....	111	5	11	.....	.....	.....
Laboratory Work in Ceramics.....	.....	.....	.....	112	5	10
Ceramic Designing	113	5	9	.....	.....	.....
Ceramic Designing .....	.....	.....	.....	114	5	10
Laboratory Work in Ceramics.....	115	2	2	.....	.....	.....
Laboratory Work in Ceramics.....	.....	.....	.....	126	5	1

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
CERAMIC ENGINEERING—Concluded						
Cement Manufacture				118	5	0
Dryer and Kiln Design				122	4	0
Ceramic Lectures	141	3	28			
Ceramic Lectures				142	3	24
Ceramic Manufacture	143	3	27			
Ceramic Manufacture				144	3	26
Thesis				116	4	10
CHEMISTRY						
Elementary Chemistry	101	4		102	4	
Elementary Chemistry	105	4	547			
Elementary Chemistry and Qualitative Analysis				106	4	442
General Chemistry	109	4	465			
General Chemistry and Qualitative Analysis				110	4	396
Advanced General Chemistry	113	2	85	114	2	68
Qualitative Analysis	117	3	23			
Quantitative Analysis	119	4	89	120	4	74
Quantitative Analysis	121	4	19			
Chemical Problems				124	1	63
Organic Chemistry	127	4	101			
The Teaching of Chemistry				132	2	6
The Reading of Chemical Literature				136	2	18
Thesis				140	4	18
Organic Chemistry	150	5	120			
Organic Chemistry	151	2	75	152	2	66
Organic Chemistry	153	2 or 3	65	154	2 or 3	34
Physical Chemistry	157	3	67	158	3	65
Physical Chemistry	161	2 or 3	3	161	2 or 3	5
Quantitative Analysis	165	2	21			
Special Methods of Analysis	167	3-5				
Qualitative Analysis				168	3-5	35
Quantitative Analysis	169	3-5				
Sanitary Analysis				176	3	26
Industrial Chemistry	177	2	36			
Industrial Chemistry				178	1	32
Industrial Inspection Trip				182		22
Written Reports				184		
Industrial Chemistry	185	2	29	186	3	25
Inorganic Preparations	187	2 or 3	24	187	2 or 3	12
Rare Elements				192	2	13
Applied Electro-Chemistry				194	2	19
Inorganic Chemistry				196	2	5
Physical Chemistry	201	3	1	202	2	1
Organic Chemistry	205	3-5	19	206	3-5	11
Inorganic Preparations	209	3		210	3	

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
CHEMISTRY—Concluded						
Historical Chemistry	213	2	6	.....	.....	.....
Organic Chemistry	215	2	9	216	2	10
Advanced Industrial Chemistry	225	2	5	.....	.....	.....
Scientific Foundations of Analytical.....	.....	.....	.....	.....	.....	.....
Chemistry	227	2	6	.....	.....	.....
Research Work	235	5-10	19	236	5-10	19
Trailers .....	.....	.....	.....	105	4	16
Trailers .....	.....	.....	.....	109	4	36
CIVIL ENGINEERING						
Land Surveying	101	4	45	.....	.....	.....
Field Practice	101a	1	37	.....	.....	.....
Topographic Drawing	103	2	41	.....	.....	.....
Summer Surveying Camp (Tennessee) ..	104	4	5	.....	.....	.....
Topographic Surveying	105	3	31	.....	.....	.....
Stereotomy	107	3	39	.....	.....	.....
Sanitary Engineering	109	2	31	.....	.....	.....
Summer Surveying Camp (Tennessee) ..	111	4	4	.....	.....	.....
Bridge Designing	113	4	28	.....	.....	.....
Masonry Construction	115	3	25	.....	.....	.....
Cement and Concrete	118	3	23	.....	.....	.....
Thesis	119	1	23	.....	.....	.....
Trusses	124	3	25	.....	.....	.....
Tall Buildings	125	3	15	.....	.....	.....
Surveying	131	5	19	.....	.....	.....
Sanitary Engineering	133	1	3	.....	.....	.....
Railroad Surveying .....	.....	.....	.....	102	3	42
Field Practice .....	.....	.....	.....	102a	1	39
Roads and Streets .....	.....	.....	.....	106	3	30
Timber Construction .....	.....	.....	.....	108	3	33
Stresses in Structures .....	.....	.....	.....	110	4	36
Railway Location .....	.....	.....	.....	112	4	13
Advanced Bridges .....	.....	.....	.....	114	4	17
Masonry Structures .....	.....	.....	.....	116	3	22
Water Supply .....	.....	.....	.....	117	3	28
Cement and Concrete .....	.....	.....	.....	118	3	31
Contracts and Specifications .....	.....	.....	.....	120	2	23
Thesis .....	.....	.....	.....	122	4	27
Trusses .....	.....	.....	.....	124	3	50
Timber and Masonry .....	.....	.....	.....	126	2	28
Plane Surveying .....	.....	.....	.....	128	2	56
Surveying .....	.....	.....	.....	132	5	7
DAIRYING						
Principles of Dairying	101	4	117	101	4	60
Farm Dairying .....	.....	.....	.....	102	4	45

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
DAIRYING—Concluded						
City Milk Supply	103	2-4	4	103	2-4	12
Buttermaking	105	2-4	17	105	2-4	20
Cheesemaking	107	3	6	107	3	12
Ice Cream Making .....	.....	.....	.....	110	2	19
Dairy Mechanics	111	2	5	111	2	12
Advanced Dairying	113	2	11	114	2	10
Dairy Buildings	115	2	14	.....	.....	.....
Milk Condensing .....	.....	.....	.....	116	2	14
Seminar	119	1	7	120	1	7
Dairy Production	52	3	53	52	3	49
Farm Dairy Manufactures	53	3	33	53	3	26
Farm Cheesemaking	55	3	6	.....	.....	.....
Farm Buttermaking .....	.....	.....	.....	56	3	11
Dairy Farm Management	57	3	37	58	3	15
DENTISTRY						
Anesthetics	111	1	44	112	1	43
Clinical Operative Dentistry	107	1	44	106	1	72
Operative Dentistry	101	1	76	102	1	72
Operative Technic (3-year course).....	109	1	75	.....	.....	.....
Operative—Inlay Technics .....	.....	.....	.....	112	1	72
Operative—Porcelain Technic .....	.....	.....	.....	124	1	72
Operative—Orthodontia Technic .....	.....	.....	.....	118	2	72
Operative Clinic .....	.....	.....	.....	114	2	73
Operative Dentistry	103	1	44	104	1	43
Oral Surgery	129	1	44	130	1	43
Operative Clinics	115	11	44	116	11	43
Orthodontia	119	1	44	120	1	43
Operative Technic (four-year course)...	109	1	10	110	1	10
Prosthetic Dentistry (four-year course)...	101	3	37	102	4	31
Prosthetic Dentistry (four-year course)...	103	3	10	104	3	10
Prosthetic Dentistry (three-year course)...	103	3	76	104	3	72
Oral Hygiene	129	1	76	.....	.....	.....
Dental Medicine	131	1	76	132	1	72
Dental Medicine	133	1	44	134	1	43
Crown and Bridge	107	3	76	108	2	72
Crown and Bridge	109	1	44	110	1	43
Continuous Gum Work .....	.....	.....	.....	114	½	43
Lectureships—Radiography	123	½	43	.....	.....	.....
Lectureships—Dental Jurisprudence .....	.....	.....	.....	120	½	43
Lectureships—Dental Ethics, Economics .....	.....	.....	.....	122	½	43
Lectureships—Rhino-Laryngology .....	.....	.....	.....	126	½	0
Metallurgy (Medical Chemistry)	132	2	10	.....	.....	.....
Organic Chemistry (Medical Chem.) .....	.....	.....	.....	.....	.....	.....
(four year)	111	2	10	.....	.....	.....
Organic Chemistry (Medical Chem.) .....	.....	.....	.....	.....	.....	.....
(three year)	111	2	76	.....	.....	.....

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
DENTISTRY—Concluded						
Dental Anatomy	145	1	10	147	1	10
Dental Technic	148	1	10	147	1	31
ECONOMICS AND SOCIOLOGY						
<i>Economics</i>						
Principles of Economics	135	3	656	136	3	568
Principles of Economics	136	3	34	135	3	106
Seminary in Economics	145	2	4	146	2	4
Financial History of the United States..	147	2	11	148	2	6
Business Law	149	3	73	150	3	68
Economic and Social Statistics	177	2	24	178	2	22
Economic History of the United States..	181	3	3	182	3	2
Marketing	185	3	48	186	3	42
Distribution of Wealth	203	3	3	204	3	3
Graduate Seminar in Economics	207	2	8	208	2	9
Economic and Social History of England and United States	131	3	15	.....	.....	.....
Elements of Accounting	139	3	161	.....	.....	.....
Public Finance	141	2	23	.....	.....	.....
Money and Currency	153	3	22	.....	.....	.....
Life Insurance	157	2	25	.....	.....	.....
The Geography and History of Commerce	159	3	11	.....	.....	.....
International Commercial Policies	160	3	13	.....	.....	.....
Railway Economics	167	3	20	.....	.....	.....
Corporation Economics	163	3	62	.....	.....	.....
Labor Legislation	165	3	21	.....	.....	.....
Advanced Economic Theory	169	2	2	.....	.....	.....
Cost Accounting	172	3	24	.....	.....	.....
Stock Exchange and Investments	180	2	22	.....	.....	.....
Corporation Reports	189	2	16	.....	.....	.....
Economic Geography .....	.....	.....	.....	133	3	12
Problems of Taxation .....	.....	.....	.....	144	2	11
Banking and Foreign Exchange .....	.....	.....	.....	154	3	27
Property Insurance .....	.....	.....	.....	158	2	34
Exporting and Importing .....	.....	.....	.....	162	3	12
The Organization and Remuneration of Labor .....	.....	.....	.....	166	3	12
Unsettled Questions of Economic Theory .....	.....	.....	.....	170	2	3
Principles of Accounting .....	.....	.....	.....	171	3	125
Accounting Practice .....	.....	.....	.....	173	3	12
Auditing .....	.....	.....	.....	174	3	10
Principles of Advertising .....	.....	.....	.....	175	3	34
Crises and Panics .....	.....	.....	.....	179	2	14
Industrial Combinations and Monopolies	.....	.....	.....	183	3	52
Geography and Commerce of the United States .....	.....	.....	.....	184	3	25
Traffic Management and Rate Making .....	.....	.....	.....	188	2	10
Bank Accounting and Auditing .....	.....	.....	.....	190	2	20

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
ECONOMICS AND SOCIOLOGY—						
Concluded						
<i>Sociology</i>						
Principles of Sociology	101	3	346	102	3	321
Principles of Sociology	102	3	21	101	3	47
Field Work in Sociology	115	4	6	116	4	6
Seminar in Sociology	117	2	4	118	2	5
Social Surveys	129	3	4	130	3	7
Advanced Sociology	201	2	3	202	2	4
Graduate Seminar in Sociology.....	207	2	4	208	2	4
The Negro	105	3	12	.....	.....	.....
The Family	107	3	16	.....	.....	.....
Evolution of Modern Charity.....	109	4	8	.....	.....	.....
Anthropology	123	3	15	.....	.....	.....
History and Theory of Leisure.....	127	3	9	.....	.....	.....
The Immigrant .....	.....	.....	.....	104	3	21
Preventive Philanthropy .....	.....	.....	.....	112	4	12
Primitive Man in Ohio.....	.....	.....	.....	108	1	8
The Household .....	.....	.....	.....	120	3	26
Ethnology .....	.....	.....	.....	124	3	11
Play and Recreation .....	.....	.....	.....	128	3	12
ELECTRICAL ENGINEERING						
Electrical Engineering	101	5	46	.....	.....	.....
Electrical Engineering	103	2	24	.....	.....	.....
Direct Current Machinery .....	.....	.....	.....	104	4	21
Applications of Electricity .....	.....	.....	.....	106	1½	21
Alternating Current Circuits and Machinery .....	.....	.....	.....	108	1½	21
Alternating Current Machinery	109	3	20	.....	.....	.....
Alternating Current Laboratory	111	3	21	.....	.....	.....
Advanced Alternating Current Laboratory .....	.....	.....	.....	112	3	21
Electric Railways	113	2	15	.....	.....	.....
Telephony	115	2	5	.....	.....	.....
Electric Illumination	117	2	6	.....	.....	.....
Special Illumination	125	2	1	126	2	1
Wireless Telegraphy	119	2	6	.....	.....	.....
Electrical Design	121	3	19	.....	.....	.....
Electrical Transmission and Distribution .....	.....	.....	.....	124	3	20
Special Transmission .....	.....	.....	.....	126	2	1
Special Reading and Laboratory.....	125	.....	.....	126	.....	.....
Thesis	127	1	21	128	5	21
Graduate Thesis	207	3	1	.....	.....	.....
Inspection Trip, Senior .....	.....	.....	.....	130	.....	20
Inspection Trip, Junior .....	.....	.....	.....	131	.....	23
Reading Course .....	.....	.....	.....	136	.....	.....
Advanced Laboratory .....	.....	.....	.....	138	2	1

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
ELECTRICAL ENGINEERING—						
Concluded						
Advanced Alternating Current Machinery	201	.....	.....	202	.....	.....
Transient Electric Phenomena	203	3	1	204	2	1
Advanced Alternating Current Dynamo Laboratory	205	.....	.....	206	.....	.....
Research Work	207	2	1	208	.....	.....
ENGINEERING DRAWING						
Elementary Mechanical Drawing	101	2	433	101	2	44
Mechanical Drawing .....	.....	.....	.....	102	3	333
Descriptive Geometry	103	3	175	.....	.....	.....
Machine Sketching .....	.....	.....	.....	104	3	113
Descriptive Geometry (C. E.)	105	3	36	.....	.....	.....
Advanced Descriptive Geometry .....	.....	.....	.....	106	3	37
Descriptive Geometry (Arch.)	107	3	25	.....	.....	.....
Practical Descriptive Geometry	108	3	8	.....	.....	.....
Technical Sketching .....	.....	.....	.....	110	2	47
Technical Drawing	111	2	52	.....	.....	.....
Free-hand Drawing and Lettering	113	4	14	.....	.....	.....
Mechanical Drawing .....	.....	.....	.....	114	3	11
Technical Drawing	121	2	27	122	2	22
Mechanical Drawing (Agr.)	125	2	138	125	2	95
Mechanical Drawing (Home Ec.)	127	1½	22	.....	.....	.....
House Planning .....	.....	.....	.....	128	1½	21
Elementary Drawing	129	1	2	.....	.....	.....
Free-hand Lettering and Tech. Sketching .....	.....	.....	.....	130	2	1
The Teaching of Mechanical Drawing	131	3	17	132	3	10
ENGLISH						
Paragraph Writing: Description and Narration	101	2	1270	101	2	147
Paragraph Writing: Exposition and Argumentation	104	2	111	104	2	1150
Descriptive and Narrative Writing	105	2	24	.....	.....	.....
Expository Writing .....	.....	.....	.....	106	2	19
Advanced Composition	107	2	34	108	2	31
Essays in Biography	109	2	2	.....	.....	.....
Essays in Literary Criticism .....	.....	.....	.....	110	2	6
Literature and Composition	143	3	8	144	3	8
Advanced Argumentation and Debate	111	3	5	112	3	5
Public Speaking	121	2	195	.....	.....	.....
Debating .....	.....	.....	.....	122	2	128
Extempore Speaking .....	.....	.....	.....	124	2	17
The Forms of Public Address	125	2	18	126	2	16
History of the English Language	127	2	58	.....	.....	.....
English Words .....	.....	.....	.....	128	2	77

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
ENGLISH—Concluded						
Introduction to English Literature.....	131	3	278	131	3	158
Introduction to American Literature....	133	3	130	133	3	272
Eighteenth Century Poetry				136	3	34
Dr. Johnson and His Circle.....	137	3	31			
Nineteenth Century Essayists	145	2	59	146	2	77
Nineteenth Century Poetry	141	3	57	142	3	69
Old English	151	3	10			
Old and Middle English				152	3	6
Chaucer and His Principal Contemporaries and Successors				153	3	6
English Medieval Literature to Chaucer.	154	3	6			
The Novel: Richardson to Scott.....	155	3	33			
The Novel: Dickens to Meredith.....				156	3	33
Versification	157	3	14			
The Short Story				158	3	28
Milton and His Contemporaries.....	159	3	9			
Early Popular Drama	165	3	5			
The Drama from 1580 to 1642.....				166	3	6
Shakespeare: Histories and Tragedies..	167	3	71			
Shakespeare: Comedies and Romance				168	3	87
Modern English Drama, 1642-1800.....	169	3	22			
Modern English Drama of the Nineteenth Century				170	3	25
The Teaching of English	181	2	43			
History of the Short Narrative in English	201	2	3			
The Lyric				202	2	2
The College Teaching of English				204	2	14
History of Critical Theory.....	205	2	10			
Problems in the Drama				206	2	10
The Later Novel	207	2	4			
The Later Poetry				208	2	5
English and Scottish Popular Ballads...	209	2	0			
English Usage				210	2	3
The Celtic Renaissance				212	2	4
The Technique of the Modern Drama....	213	2	10			
The Technique of the Drama.....				214	2	10
Studies in Seventeenth Century Literature	215	2	0	216	2	4
Studies in Eighteenth Century Literature	217	2	2	218	2	2
Discussion of Dissertations	219	2	4	220	2	4
EUROPEAN HISTORY						
Medieval History	101	3	315			
Modern History from 1500 A. D.....				102	3	337
History of England	103	3	49	104	3	43

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
EUROPEAN HISTORY—Concluded						
History of Greece	105	3	19	106	3	32
History of Rome	107	2	15	108	2	13
Medieval Civilization	109	2	12			
The Age of the Renaissance, 1250 to 1500 A. D.	109	2	12			
The Period of Reformation	113	3	6	110	2	14
Constitutional History of England.....	117	2	7	114	3	3
Northeastern Europe						
Europe and Asia—The Far Eastern Question	121	2	55	118	2	9
History of France	123	3	21	122	2	48
Europe from 1815 to 1915	127	3	4	124	3	17
The Teaching of European History.....	203	2	4	152	2	14
Medieval and Modern European History				128	3	2
Seminar in Modern History				204	2	3
FARM CROPS						
Field Crop Production	101	4	81	101	4	87
Cereal Crop Production	109	3	11			
Forage Crop Production				111	3	9
Crop Improvement	115	5	4	113	3	7
Advanced Crop Production	117	3-10	3	116	3	3
Advanced Crop Improvement	121	1	6	118	5	2
Seminary			125	122	1	6
8 Weeks Course—3 lect., 1 lab.....						
4 Weeks Course for Dairy Students—3 lect., weekly			45			
FORESTRY						
Introduction to Forestry	101	2	8	102	2	2
Silvics				104	3	4
Arboriculture and Tree Surgery	105	3	2	106	3	2
Silviculture	107	4	4			
Forest Mensuration	111	2	8			
Forest Protection				112	2	9
Forest Craft	113	2	8			
Forest Economics				114	2	6
Forest Policy	115	2	4			
Grazing and Range Investigations.....				116	4	3
Forest Products	117	1	10	118	1	10
Seminar	119	3-5	7	120	3-5	10
Advanced Forestry	121	3	8			
Lumbering				122	3	8
Forest Utilization	123	4	9			
Forest Management				124	2	2
Forest Finance and Administration.....	125	3	10			
Silviculture						

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
FORESTRY—Concluded						
Silvicultural Problems .....	.....	.....	.....	126	3	8
Forest Organizations .....	.....	.....	.....	128	3	9
Introduction to Forestry	51	4	7	.....	.....	.....
GEOLOGY						
Physiography	101	3	202	102	3	185
Inorganic Geology	103	3	26	.....	.....	.....
Historical Geology .....	.....	.....	.....	104	3	23
Paleontology	107	2-4	4	108	3	2
Minor Investigations	141	2-5	5	142	3	13
General Geology (Agriculture)	151	3	130	151	3	114
Petrography .....	.....	.....	.....	166	2	10
Economic Geology	167	3	15	.....	.....	.....
General Geology (Engineers)	163	3	29	168	3	41
Teaching of Physiography	175	2	4	176	2	4
Meteorology .....	.....	.....	.....	102	2	13
Advanced Historical Geology .....	.....	.....	.....	202	3	1
Areal Geology	113	3	1	114	3	1
GERMAN						
Elementary German	101	4	181	101	4	27
Elementary German	102	4	40	102	4	142
Intermediate German	103	4	268	103	4	52
Easy Classical Reading and Composition	104	4	30	104	4	151
Science Reading .....	.....	.....	.....	106	4	116
Advanced German	107	4	38	108	4	35
Classical and Modern Writers	115	3	23	116	3	16
Schiller: Introduction to Life and Works	117	2	17	118	2	15
19th Century Drama	119	2	35	120	2	42
Conversation and Prose Composition	131	2	30	132	2	21
Conversation	133	2	24	134	2	19
Survey of German Literature	153	3	15	154	3	20
Volkslied	157	2	8	.....	.....	.....
Volksbuecher, Maerchen und Sagen .....	.....	.....	.....	158	2	9
Heine, Hebbel: Introduction to Life and Works	159	2	17	160	2	18
19th Century Lyric	163	2	12	164	2	12
Advanced Prose Composition	171	2	6	172	2	8
The Teaching of German	173	2	15	.....	.....	.....
Phonetics, Interpretative Reading	175	2	20	176	2	10
Middle High German, History of German Language	177	2	8	178	2	12
Gothic, Old High German	203	2	2	204	2	3
The Literature of the Empire	207	2	5	208	2	5
Methodology .....	.....	.....	.....	212	2	2
Experimental Phonetics .....	.....	.....	.....	214	2	1
Seminary in German Literature	215	2	4	216	2	4

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
GREEK						
Elementary Greek	101	4	7	102	4	7
Plato	125	4	9	126	4	4
Homer	107	3	3	108	3	2
Lysias—Plato-Euripides	115	2	17	116	2	14
Greek Art	122	2	2	122	2	2
Historical Greek Grammar						
Principles of the Hist. Study of Lang. (Comp. Lib.)	195	2	4			
HISTORY OF EDUCATION						
History of Education	101	3	124	102	3	130
History of Education	107	2	1	108	2	2
Comparative Education	109	2	3	110	2	4
History of Education in the United States	121	2	2	122	2	2
Seminar in the History of Education				112	2	2
Seminar in the History of Education						
History of Industrial Education						
HOMEOPATHIC MEDICINE						
CLINICAL DIAGNOSIS—						
Physical Diagnosis				102	2	9
Laboratory Diagnosis	103	2	15	104	2	15
Differential and X-Ray Diagnosis	107	2	15	108	2	15
Research Work (Elective)				130		
EYE, EAR, NOSE AND THROAT—						
Elementary Course	105	1	15	106	1	15
Operative Course	107	4	8	108	4	8
Research Work (Elective)				130		
GYNECOLOGY AND OBSTETRICS—						
Elementary Gynecology	105	3	15			
Operative Gynecology	107	4	8			
Normal Obstetrics				106	3	15
Research Work (Elective)				130		
INTERNAL MEDICINE—						
Practice of Medicine	105	4	15	106	4	15
Practice of Medicine	107	4	8	108	4	8
Pediatrics	115	2	15	116	2	15
Nervous Diseases	123	1	8	124	1	8
Research Work (Elective)				130		
MATERIA MEDICA—						
Principles	101	1	4	102	1	3
Materia Medica (Homeopathic)	103	3	10	104	3	9
Homeopathic Therapeutics	105	3	15	106	3	15
Homeopathic Therapeutics	107	3	8	108	3	8

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
HOMEOPATHIC MEDICINE— Concluded						
SURGERY—						
Minor	101	2	10	.....	.....	.....
Clinical	105	3	15	106	3	15
Operative	107	4	8	108	4	8
Surgical Technique .....	.....	.....	.....	130	.....	.....
HORTICULTURE						
Pomology	105	4	24	.....	.....	.....
Pomology .....	.....	.....	.....	106	4	22
Experimental Horticulture	109	3	24	110	3	21
Plant Variations	107	3	15	.....	.....	.....
Principles of Horticulture	101	4	30	.....	.....	.....
Small Fruit and Grapes .....	.....	.....	.....	120	4	16
Farm Horticulture .....	.....	.....	.....	118	4	58
Systematic Pomology	121	4	24	122	4	19
Commercial Vegetable Gardening	103	4	4	104	4	4
Systematic Vegetable Gardening	131	4	1	.....	.....	.....
Greenhouse Construction .....	.....	.....	.....	132	4	4
By-Products	133	3	5	.....	.....	.....
Horticultural Plant Forms	51	4	8	52	4	8
Principles of Horticulture	53	4	67	54	4	63
Vegetable Gardening	55	4	26	56	4	5
Pomology	57	4	11	58	4	2
Pomology	59	4	2	.....	.....	.....
Commercial Floriculture	141	4	4	142	4	4
Decorative and Bedding Plants .....	.....	.....	.....	144	3	3
Garden Flowers	145	3	3	.....	.....	.....
School Gardens .....	.....	.....	.....	146	4	2
Plant Materials	151	2	10	152	2	9
History of Landscape Architecture .....	.....	.....	.....	154	3	9
Landscape Architecture .....	.....	.....	.....	156	2	18
Landscape Design	157	3	4	158	3	2
Advanced Landscape Design	159	4	2	160	4	2
Advanced Plant Materials .....	.....	.....	.....	162	4	3
Landscape Seminar .....	.....	.....	.....	172	1	2
Special Problems	169	3	1	.....	.....	.....
Landscape Gardening .....	.....	.....	.....	60	4	14
Floriculture	65	4	3	66	4	3
Floriculture, 8 weeks .....	.....	4	2	.....	.....	.....
Vegetable Gardening, 8 weeks .....	.....	4	7	.....	.....	.....
Pomology, 8 weeks .....	.....	4	22	.....	.....	.....
HOME ECONOMICS						
Foods	101	5	101	102	5	92
Sanitation	104	3	28	104	3	41
Seminar	105	2-5	75	106	2-5	20
Teaching Home Economics .....	.....	.....	.....	108	2	56

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
HOME ECONOMICS—Concluded						
Dietetics	110	4	24	110	4	66
Textiles	111	2	151	112	2	126
Dress	113	3	44	113	3	7
Dress	116	3	33	116	3	33
The House (House Decoration)	118	3	43	118	3	29
The House (Household Management)	119	3	23	119	3	57
Food Problems	121	3	24	121	3	24
Practice Teaching in Home Economics	123	2	44	124	2	41
INDUSTRIAL ARTS						
Tools and Machines	101	3	1	101	3	1
Designing	103	1	1	103	1	1
Machine Design	112	2	18	112	2	18
Shop Building	114	2	4	114	2	4
<i>Shopwork</i>						
Carpentry	101	2	112	101	2	91
Forging	103	2	129	103	2	111
Carpentry	51	3	66	51	3	78
Forging	52	3	57	52	3	134
Foundry Work	105	2	33	105	2	8
Chipping and Filing	107	2	29	107	2	7
Joinery and Pattern-Making	109	2	16	109	2	17
Advanced Pattern-Making	111	1	18	111	1	2
Cabinet Making	113	2	5	113	2	9
Forging	115	2	50	115	2	18
Advanced Forging	118	2	118	118	2	118
Machine Work	119	3	42	119	3	35
Advanced Machine Work	121	3	18	121	3	33
Advanced Machine Work	123	2	1	123	2	5
Construction Work	125	2	1	125	2	1
Tool-Making and Jig Work	127	3	127	127	3	127
Advanced Pattern-Making	129	3	3	130	3	5
Advanced Cabinet Work	131	3	1	131	3	2
Elementary Woodwork	133	2	133	133	2	3
JOURNALISM						
News Collecting and News Writing, two sections	101	3	72	102	3	45
News Collecting and News Writing, two sections	105	3	26	106	3	18
Newspaper Practice	109	2	7	110	2	7
Newspaper Organization and History	111	3	19	112	3	17
Newspaper Ethics and Principles	113	2	22	114	2	23
Newspaper Illustration	115	2	7	116	2	11
The Country Newspaper	115	2	7	116	2	11

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
JOURNALISM—Concluded						
Comparative Journalism and Current Topics	117	3	11	.....	.....	.....
Newspaper Jurisprudence and Current Topics .....	.....	.....	.....	118	3	9
LATIN						
Special (Grad.) Seneca: Latin Inscriptions	Sp.	3	1	Sp.	3	1
Cicero, Livy, Horace; Horace, Ovid, Livy, Sallust	101	4	45	102	4	45
Pliny or Cicero; Catullus or Tacitus; Latin Comedy	103	3	19	104	3	15
Roman Satire	105	2	4	.....	.....	.....
Roman Private Life	107	1	6	108	1	6
Roman Art and Archaeology	109	1	4	110	1	3
Roman and Comparative Literature.....	111	1	15	112	1	13
Pro-Seminary	113	3	3	114	3	3
Latin Prose Composition	115	3	10	116	3	11
Advanced Latin Prose Composition (Grad.)	119	1	1	120	1	1
Roman Prose Authors; Roman Poets....	121	2	9	122	2	9
Historical Latin Grammar, Sounds and Inflections	123	1	2	124	1	2
Historical Latin Grammar, Syntax	125	1	4	126	1	5
Methods of Teaching Latin.....	129	2	3	129	2	5
Elementary Latin	147	4	10	148	4	8
Cicero (Orations); Vergil, Aeneid.....	149	4	6	150	4	5
Roman Religion (Grad.)	201	1	1	202	1	1
Roman Public Life (Grad.)	211	1	2	212	1	2
Latin Palaeography and Epigraphy (Grad.)	213	3	3	214	3	3
LAW						
Code Pleading .....	.....	3	36	.....	.....	.....
Evidence .....	.....	2	35	.....	2	32
Practice .....	.....	2	40	.....	.....	.....
Practice .....	.....	.....	.....	.....	2	36
Public Corporations .....	.....	.....	.....	.....	2	33
Ohio Appellate Practice .....	.....	.....	.....	.....	1	25
Legal Ethics (Five Lectures) .....	.....	.....	.....	.....	.....	36
Contracts .....	.....	3	74	.....	.....	.....
Contracts .....	.....	.....	.....	.....	3	56
Private Corporations .....	.....	2	38	.....	.....	.....
Private Corporations .....	.....	.....	.....	.....	2	35
Equity III .....	.....	2	31	.....	.....	.....
Property I .....	.....	2	73	.....	.....	.....

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
LAW—Concluded						
Equity I		2	38			
Property III		2	34			
Property V		2	29			
Property II					2	66
Property IV					2	67
Property VI					2	19
Mortgages					2	30
Criminal Law		3	64			
Quasi-Contracts		2	25			
Judgments		2	43			
Domestic Relations					2	60
Trusts		2	27			
Insurance		2	12			
Common Law Pleading		2	65			
Carriers		2	35			
Bankruptcy		1	14			
Bailments					2	87
Equity II					2	32
Sales					2	39
Torts		3	71			
Torts					3	65
Constitutional Law		3	40			
Constitutional Law					2	13
Damages		2	15			
Criminal Procedure					1	17
Partnership					2	34
Agency					2	63
MANUAL TRAINING						
Teaching of Manual Training	111	3	5			
Materials, Methods, and Equipment				112	3	7
Constructive Design	117	2	6			
Constructive Design				118	2	6
Handwork for Supervisors	121	2	13			
Handwork for Supervisors				122	2	47
Special Problems in Manual Training				123	2	1
MATHEMATICS						
Mathematics for Agricultural Students ..	107	3	123	107	3	100
Plane and Solid Geometry	113	5	3			
College Algebra and Trigonometry	121	4	134			
History of Elementary Mathematics	125	2	4			
Analytic Geometry and Calculus	127	3	20	128	3	18
Mathematics of Finance and Insurance ..	129	3	65	130	3	58
College Algebra and Trigonometry	131	5	412	131	5	38

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
MATHEMATICS—Concluded						
Plane Trigonometry and Analytic Geometry	132	5	55	132	5	331
Calculus, Differential and Integral.....	141	5	224	141	5	47
Calculus, Differential and Integral.....	142	5	15	142	5	207
Differential Equations	151	1	30	168	3	13
Projective Geometry	171	3	11	172	3	10
Modern Higher Algebra	173	3	7	174	3	4
Actuarial Theory	183	2	2	184	2	2
Fundamental Ideas of Alg. and Geom....	185	2	6	.....	.....	.....
Graphical and Statistical Methods.....	189	3	20	.....	.....	.....
Insurance Statistics .....	.....	.....	.....	190	2	5
Theory of Functions of a Complex Variable	201	3	7	202	3	4
Theory of Statistics	209	2	3	210	2	1
Groups	211	3	6	212	3	4
Plane Trigonometry and Analytic Geometry .....	.....	.....	.....	122	3	106
History of Elementary Mathematics....	.....	.....	.....	126	2	4
Probability .....	.....	.....	.....	181	3	3
The Teaching of Mathematics.....	.....	.....	.....	186	2	9
MECHANICAL ENGINEERING						
Mechanism	101	3	27	.....	.....	.....
Steam Power Plants (2 sections).....	103	3	60	.....	.....	.....
Heat Power Engineering	105	3	27	106	3	29
Mechanism and Machine Design.....	.....	.....	.....	110	3	20
Mechanism .....	.....	.....	.....	114	3	28
Mechanism Drawing .....	.....	.....	.....	116	1	28
Steam Engines .....	.....	.....	.....	118	3	35
Steam Boilers .....	.....	.....	.....	120	1	35
Heating and Ventilating	121	2	13	.....	.....	.....
Materials of Construction	123	2	12	.....	.....	.....
Gas Engines and Producers	125	2	26	.....	.....	.....
Machine Design, M. E. 25, Ch. E. 18 (two sections)	127	5	43	.....	.....	.....
Thermodynamics	129	2	26	.....	.....	.....
Inspection Trip .....	.....	.....	.....	130	.....	20
Reading Course .....	.....	.....	.....	134	.....	5
Mechanism and Machine Design.....	.....	.....	.....	140	2	23
Hydraulic Machinery .....	.....	.....	.....	142	2	26
Machine Design, M. E. 25, Ch. E. 17 (two sections) .....	.....	.....	.....	144	5	42
Steam Turbines .....	.....	.....	.....	146	2	17
Thesis Work .....	.....	.....	.....	148	3	23
Hydraulic Power .....	.....	.....	.....	150	3	11
Experimental Engineering Laboratory..	175	3	21	160	2	25
Experimental Engineering Laboratory..	.....	.....	.....	164	2	30

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
MECHANICAL ENGINEERING—						
Concluded						
Experimental Engineering Laboratory..	173	5	27	.....	.....	.....
Experimental Engineering Laboratory..	179	2	22	190	6	23
Experimental Engineering Laboratory..	.....	.....	.....	192	3	13
Steam Locomotive	209	2	2	.....	.....	.....
Steam Power Plant Economics and Design .....	.....	.....	.....	208	2	1
MECHANICS						
Statics and Strength of Materials.....	101	5	186	.....	.....	.....
Strength of Materials, Kinetics and Hydraulics .....	.....	.....	.....	102	5	128
Strength of Materials .....	.....	.....	.....	104	2	39
MEDICINE						
Medicine, General and Clinical	101	5	26	102	5	26
Nervous Diseases .....	.....	.....	.....	106	2	26
Dermatology .....	.....	.....	.....	108	2	26
Clinical Diagnosis	123	1	26	124	1	26
Medicine, General and Clinical	113	4	68	114	4	68
Preventive Medicine	115	2	68	.....	.....	.....
Pediatrics, Didactic and Clinical.....	121	2	68	.....	.....	.....
Pediatrics, Clinical Conference .....	.....	.....	.....	122	1	68
METALLURGY						
Fire Assaying	105	3	9	.....	.....	.....
Metallurgical Analysis .....	.....	.....	.....	106	4	9
Alloy Analysis	107	4	15	.....	.....	.....
Fuel	117	2	94	.....	.....	.....
Iron and Steel	119	2	94	.....	.....	.....
Metallurgy of Non-Ferrous Metals.....	.....	.....	.....	110	4	13
Principles of Metallurgical Construction	111	1	9	.....	.....	.....
Technical Gas Analysis .....	.....	.....	.....	112	2	15
Ore Dressing and Coal Washing.....	113	2	10	.....	.....	.....
Metallography .....	.....	.....	.....	114	3	12
Special Metallurgy (Research) .....	.....	.....	.....	201	3	3
Thesis .....	.....	.....	.....	116	3	3
MILITARY SCIENCE						
Military Science and Tactics.....	1	1	1111	1	1	1016
Military Science and Tactics.....	2	1	771	2	1	732
Military Science, Officers' School .....	.....	0	66	.....	0	68
Military Science, R. O. T. C. (Officers) ..	.....	0	27	.....	0	27

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
MINE ENGINEERING						
Elementary Algebra	101	5	2	.....	.....	.....
Mine Surveying	103	4	26	.....	.....	.....
Mine Trip	109	1	17	.....	.....	.....
Mine Engineering	105	5	9	.....	.....	.....
Elementary Algebra .....	.....	.....	.....	102	5	3
Mine Trip .....	.....	.....	.....	110	1	7
Plans and Specifications .....	.....	.....	.....	104	4	7
Mine Engineering .....	.....	.....	.....	106	5	8
Thesis .....	.....	.....	.....	116	3	3
MINERALOGY						
Descriptive Mineralogy	102	3	6	.....	.....	.....
Descriptive Mineralogy .....	.....	.....	.....	102	3	52
Determinative Mineralogy .....	.....	.....	.....	104	3	9
Microscopic Mineralogy	121	3-5	4	.....	.....	.....
Advanced Crystallography .....	.....	.....	.....	126	5	1
Microscopic Petrography .....	.....	.....	.....	124	3	2
OBSTETRICS						
Senior Obstetrics	105	2	68	106	3	68
Junior Obstetrics .....	.....	.....	.....	102	2	26
OPHTHALMOLOGY AND OTOLARYNGOLOGY						
Ophthalmology	101	2	24	.....	.....	.....
Oto-Laryngology	105	2	22	.....	.....	.....
Oto-Laryngology (Seniors) .....	.....	1	71*	.....	.....	.....
Dispensary Clinics, in sections of 6 students	103	2	.....	.....	2	.....
Hospital Ward Clinics, in sections of 6 students	101-102	4	.....	.....	4	.....
PATHOLOGY						
Pathology	126	3	72	.....	.....	.....
Pathology .....	.....	.....	.....	126	3	9
Clinical Pathology	119	2	30	120	1	30
Pathology .....	.....	.....	.....	109	7	25
Pathology	107	0	100	107	0	100
PHARMACY						
Pharmacy, Theoretical	101	4	38	.....	.....	.....
Pharmacy, Operative and Didactic .....	.....	.....	.....	102	5	33

*2 Juniors on account of conflict in schedule took this course with Seniors instead of 105.

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
PHARMACY—Concluded						
Pharmacy, Pharmaceutical Chemistry Practice	103	5	39	.....	.....	.....
Pharmacy, Extemporaneous, and Prescription Work .....	.....	.....	.....	104	5	26
Pharmacy, Materia Medica	105	3	39	.....	.....	.....
Pharmacy, Materia Medica .....	.....	.....	.....	106	3	28
Pharmacy, Pharmaceutical Assaying....	107	5	6	.....	.....	.....
Pharmacy, Pharmaceutical Assaying....	.....	.....	.....	108	5	6
Pharmacy, Pharmacognosy (lectures and laboratory)	109	3	35	.....	.....	.....
Pharmacy, Pharmacognosy (lectures and laboratory) .....	.....	.....	.....	110	3	34
Pharmacy, Pharmacognosy (lectures and laboratory)	111	3	7	.....	.....	.....
Pharmacy, Pharmacognosy (lectures and laboratory) .....	.....	.....	.....	112	3	6
Pharmacy, Pharmaceutical Problems....	113	1	34	.....	.....	.....
Pharmacy, Toxicology .....	.....	.....	.....	114	3	28
Pharmacy, Urinary Analysis .....	.....	.....	.....	116	2	26
Pharmacy, Pharmaceutical Latin	119	4	33	.....	.....	.....
Pharmacy, Commercial Pharmacognosy..	.....	.....	.....	120	3	30
Pharmacy, Commercial Pharmacy .....	.....	.....	.....	122	2	15
Materia Medica (Medical)	131	2	37	.....	.....	.....
Materia Medica (Medical) .....	.....	.....	.....	132	3	32
PHILOSOPHY						
Introduction to Philosophy.....	101	3	62	101	3	75
Introductory Logic	102	3	44	102	3	75
Elementary Ethics	105	3	32	106	3	37
Advanced Ethics	111	2	9	112	2	8
Aesthetics	115	2	26	116	2	24
Philosophy of Science	117	3	8	.....	.....	.....
Metaphysics	121	3	12	122	3	10
Political and Social Philosophy .....	.....	.....	.....	134	3	11
Realism .....	.....	.....	.....	138	3	4
History of Philosophy	151	3	28	152	3	36
Graduate Seminary	201	3	4	202	3	5
Contemporary Philosophical Issues.....	207	3	4	208	3	4
Research Work on Theses for Advanced Degrees .....	.....	.....	3	.....	.....	3
PHYSICAL EDUCATION						
<i>Men</i>						
Physical Education	101	1	1290	102	1	1136
Theory of Physical Education .....	.....	.....	.....	110	2	8
Principles of Coaching .....	.....	.....	.....	112	2	7

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<i>Women</i>						
Physical Education	131	1	332	132	7	305
Physical Education	133	1	278	134	1	223
Anthropometry and Physical Diagnosis..	135	3	5	.....	.....	.....
Theory and Practice of Teaching Physical Education .....	.....	.....	.....	136	3	7
PHYSICS						
Elementary Physics	101	6	28	.....	.....	.....
General Physics	103	4	42	104	4	28
General Physics	105	4	51	106	4	60
General Physics	107	4	41	107	4	32
Physics for Students in Agriculture....	109	3	123	109	3	128
General Physics	111	3	148	111	3	25
General Physics .....	.....	.....	.....	112	3	154
General Physics	113	5	121	114	5	47
Physics Problems	115	2	4	116	2	2
General Physics	117	2	14	118	2	11
The Teaching of Physics .....	.....	.....	.....	120	2	4
Laboratory	121	3-5	7	122	3-5	4
Advanced Laboratory	123	3-5	51	124	3-5	41
Physical Laboratory	133	2	29	134	3	.....
Electrical Measurements and Photometry	135	5	.....	.....	.....	.....
Physical Laboratory .....	.....	.....	.....	138	2	43
Advanced Electrical Measurements....	139	3-5	0	140	3-5	1
Molecular Physics and Heat	147	3	8	.....	.....	.....
Conduction of Electricity Through Gases and Radioactivity .....	.....	.....	.....	148	3	5
Physical Seminar	145	1	2	146	1	1
Theoretical Physics	169	2	12	170	2	12
Research Laboratory	201	3-5	3	202	3-5	6
Theory of Electricity and Magnetism....	207	3	6	208	3	6
Electromagnetic Theory	215	3	4	216	3	4
PHYSIOLOGY, PHYSIOLOGICAL CHEMISTRY AND PHARMACOLOGY						
Physiology	101	3	306	.....	.....	.....
Physiology for Pharmacy Students....	107	3	28	.....	.....	.....
Advanced Physiology Laboratory.....	109	5	3	.....	.....	.....
Veterinary Physiology	114	3	21	.....	.....	.....
Advanced Physiology	115	5	6	.....	.....	.....
Physiology	119	3	49	.....	.....	.....
Medical Physiology	121	5	24	.....	.....	.....
Dental Physiology	127	3	84	.....	.....	.....
.....	203	.....	.....	.....	.....	.....
Research in Physiology	204	5	1	.....	.....	.....
Physiology .....	.....	.....	.....	102	3	268

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
PHYSIOLOGY, PHYSIOLOGICAL CHEMISTRY AND PHARMACOLOGY—Concluded						
Veterinary Physiology and Physiological Chemistry				106	5	23
Advanced Physiological Laboratory				110	5	3
Advanced Physiology				118	4	6
Physiology				120	3	44
Medical Physiology				122	5	24
Physiological Chemistry				123	4	33
Dental Physiology				128	3	79
Pharmacology				130	4	15
Dental Physiological Chemistry				132	2	8
Pre-medical Physiology				134	3	21
Research in Physiology and Physiological Chemistry				204	5	2
POLITICAL SCIENCE						
Government in the United States	133	3	137	134	3	124
Introduction to Jurisprudence	125	3	10			
International Law				126	3	14
Municipal Government	106	3	8			
Municipal Functions				130	3	10
Problems in International Politics	113	2	6	114	2	4
Legislation	131	2	13			
Administration				132	2	8
Political Theories	129	3	3			
Seminary in Political Science	117	2	10	118	2	9
Graduate Thesis		1	1		2	2
PRINCIPLES OF EDUCATION						
Principles of Education	101	3	91			
(Practice Teaching) Observation, Criticism and	104	3	3			
(Practice Teaching) Practice, Observation, Criticism				104	3	97
PSYCHOLOGY						
Advanced Psychology	129	2	19	130	2	16
Psychology of Emotion and Volition	137	2	8	138	2	10
History of Psychology	139	2	5	140	2	6
Minor Research	141	2	3	142	3	5
Major Research	201	5	8	202	5	8
Seminar in Psychology	203	2	5	204	2	5
Elementary Psychology	101	3	735	102	3	686
Educational Psychology	107	2	145	108	2	148
Mental Tests	133	3	7	134	3	7

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
PSYCHOLOGY—Concluded						
The Psychological Clinic	147	1-2	3	148	1-2	2
The Defective Child .....	.....	.....	.....	122	4	24
Elementary Psychology	103	2	4	104	2	4
Experimental Psychology	111	3	13	112	3	7
Experimental Psychology	112	3	1	111	3	8
Mental and Social Measurements.....	114	2	6	.....	.....	.....
Genetic Psychology	115	2	11	116	2	8
Social Psychology	125	3	10	.....	.....	.....
The Treatment of Exceptional Children..	155	2	8	.....	.....	.....
Abnormal Psychology	121	4	22	.....	.....	.....
Physiological Psychology	149	2	15	150	2	12
Psychopathology .....	.....	.....	.....	124	2	8
Psychology of Advertising .....	.....	.....	.....	128	2	25
Criminal and Legal Psychology	151	2	13	.....	.....	.....
PUBLIC HEALTH AND SANITATION						
Public Health (Public Health Administration)	101	2	2	.....	.....	.....
Public Health (Public Health Problems)	123	2	2	124	2	2
Public Health (Preventive Medicine) ...	.....	.....	.....	110	2	2
Public Health (Preventive Medicine) ...	115	2	68	.....	.....	.....
Public Health (Public Health Adm. and Public Health Problems)	205	2	3	.....	.....	.....
Public Health (Preventive Medicine) ...	.....	.....	.....	204	2	5
Public Health (Communicable Diseases)	209	3	3	210	3	4
Medicine	104	2	36	.....	.....	.....
Medicine (Conference Clinic) .....	.....	.....	.....	102	5	36
Public Health (Medico-Social Work)....	103	2	2	104	2	2
Public Health (Public Health Nursing) ..	105	2	2	106	2	2
Public Health (Medico-Social Field Work)	107	3	2	108	3	2
Dispensary Clinics	103	2	34	104	3	34
Public Health (Vital Statistics) (Public Health Nursing)	207	2	2	208	2	2
Medicine (Physical Diagnosis) .....	.....	.....	.....	104	2	16
Public Health (Industrial Hygiene)....	121	2	5	122	2	5
Public Health Hygiene	201	2	2	202	2	2
Dispensary Clinics	103	2	34	104	2	34
Hospital Clinics	101	3	15	.....	.....	.....
Public Health Laboratory and Insp. Methods	213	3	2	214	3	2
Public Health Engineering	211	3	3	212	3	3
ROMANCE LANGUAGES						
<i>French</i>						
Elementary French	101	4	420	102	4	355
Modern French Literature	103	4	226	104	4	163

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
ROMANCE LANGUAGES						
<i>French—Concluded</i>						
Science Reading				106	4	35
Advanced French Prose Composition....	107	2	57			
History of French Literature.....				108	2	28
Seventeenth Century French Drama....	109	3	47			
Seventeenth Century French Tragedy and Prose				110	3	42
Eighteenth Century French Drama....	111	2	11			
Nineteenth Century French Drama....				112	2	6
Eighteenth Century French Prose.....	115	2	8			
Advanced Conversational Practice.....				116	2	18
French Seminar A	117	2	8	118	2	5
French Seminar B.....	119	2	5	120	2	4
The Teaching of French				122	2	9
<i>Italian</i>						
Elementary Italian	101	4	19	102	4	14
The Italian Novel	103	2	8			
Dante				104	2	7
<i>Spanish</i>						
Elementary Spanish	101	4	506	102	4	487
Modern Spanish Literature	103	4	116	104	4	34
Cervantes: Don Quixote.....	105	2	8			
Lope de Vega and Calderon.....				106	2	8
Spanish Commercial Reading and Correspondence				110	4	66
<i>Romance Languages</i>						
Old Provençal	203	1	3	204	1	2
Literary Movement of First Half of Nineteenth Century	205	2	7	206	2	5
<i>Comparative Literature</i>						
History of Drama, to the Renaissance...	193	2	21			
History of Drama from Renaissance to Eighteenth Century				194	2	27
RURAL ECONOMICS						
Farm Management	103	4	100			
Farm Management				103	4	69
History of Agriculture	105	2	4			
Advanced Farm Management				111	2	13

THE WORK OF INSTRUCTORS 1916-1917—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
RURAL ECONOMICS—Concluded						
Research Work (Advanced Students and Graduates)						
Agricultural Economics	104	3	9	202	2-5	10
Agricultural Economics				104	3	38
Rural Economic Organization	113	3	10			
Rural Community Life				110	3	23
Research Work (Advanced Students and Graduates)	202	2-5	10			
Farm Records and Accounts	101	2	31			
Farm Records and Accounts				101	2	52
Co-operation in Agriculture	53	4	42			
Rural Community Life				54	4	19
Farm Records and Accounts	51	4	35			
Farm Records and Accounts				51	4	27
Farm Management				52	4	12
Farm Management				W. C.	3	80
SCHOOL ADMINISTRATION						
Public Education in the United States...	101	3	78			
Secondary School Administration	111	3	12			
Educational Surveys	201	2-5	3			
State School Administration				102	3	62
Secondary School Administration				112	3	25
Educational Surveys				202	2-5	5
SURGERY AND GYNECOLOGY						
Minor Surgery	104	2	15			
Surgery General	101	5	36			
Surgery General				102	5	36
Gynecology				106	2	36
Conference Clinics	127	1	68	128	1	68
Orthopaedic Surgery	116	1	68			
Surgical Ward Clinics	101	4	34	102	4	34
		in sections			in sections	
Surgical Dispensary Clinics	103	2	15	104	2	15
		in sections			in sections	
VETERINARY MEDICINE						
Veterinary Anatomy	101	5	26	102	7	17
Veterinary Anatomy	135	6	27	136	6	26
Materia Medica and Therapeutics	107	3	29	108	4	25
Horseshoeing	109	3	52	109	3	5
Obstetrics	111	3	58			
Physical Diagnosis	127	3	63			
Medicine				126	5	64
Canine Diseases	115	2	63	116	2	63
Pathology (Lab.)	113	3	63			

THE WORK OF INSTRUCTORS 1916-1917—Concluded

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
VETERINARY MEDICINE—Concluded						
Clinic, Large Animals	123	1½	56	124	1½	57
Clinic, Small Animals	119	1½	56	118	1½	57
Surgical Diseases .....	.....	.....	.....	132	5	54
Meat Inspection .....	.....	.....	.....	122	2	60
Ophthalmology .....	.....	.....	.....	130	1	58
General Therapeutics .....	.....	.....	.....	128	2	57
Pathology (Laboratory Diagnosis) .....	.....	.....	.....	142	2	60
Applied Regional Anatomy .....	.....	.....	.....	134	2	12
Operating	125	1	52	.....	.....	.....
Operating	121	1	52	.....	.....	.....
Agriculture	151	3	50	.....	.....	.....
Agriculture (Short)	52	3	90	.....	.....	.....
Winter Course in Agriculture .....	.....	3	83	.....	.....	.....
Post Mortem Examinations .....	.....	.....	56	.....	.....	.....
Pathology (Special) .....	.....	.....	.....	140	5	5
General Surgery (Special)	120	3	6	.....	.....	.....
General Pathology (Special)	105	5	6	.....	.....	.....
Pathology, Laboratory Diagnosis (Special) .....	.....	.....	.....	142	2	4
Clinic, Small Animals (Special) .....	.....	.....	.....	118	1½	4
Clinic, Large Animals (Special) .....	.....	.....	.....	124	1½	4
ZOOLOGY AND ENTOMOLOGY						
Elementary Zoology	101	3	615	102	3	431
Elementary Zoology .....	.....	.....	.....	101	3	48
Economic Entomology	107	3	105	108	3	47
Apiculture .....	.....	.....	.....	112	3	16
Special Entomology	113	4	5	114	4	5
Invertebrate Morphology	121	3-5	8	122	3-5	4
Quantitative Studies in Variation and Heredity	129	2-5	10	130	2-5	4
Evolution	131	3	11	132	3	11
Advanced Entomology (Graduates)	137	3-5	8	138	3-5	9
Ornithology	139	2	2	140	2	2
Minor Investigations (Grad.)	141	3-5	7	142	3-5	7
Seminar (Grad.)	143	1	20	144	1	20
Entomological Literature	147	2	2	.....	.....	.....
Entomology—Taxonomy .....	.....	.....	.....	148	2	2
Medical Entomology	149	3-5	6	.....	.....	.....
Forest Entomology .....	.....	.....	.....	150	3	2
Insect Control .....	.....	.....	.....	152	3	8
Insect Behavior (Grad.)	153	3-5	4	153	3-5	4
Entomology	155	3	14	156	3	14
Animal Parasitology (Grad.)	157	3-5	1	158	3-5	2
Research (Graduate)	247	5-10	20	242	5-10	20
Invertebrate Zoology (Graduate)	247	5	3	248	5	3
Systematic and Practical Entomology (Short Course)	51	4	5	52	4	5

*SHOWING THE WHOLE NUMBER OF DEGREES IN COURSE CONFERRED SINCE THE FOUNDING OF THE UNIVERSITY

[illegible]

APPENDIX V—Continued

	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917		
Doctor of philosophy.....	1											1				1									1		1	1		1		2		1	5	1	2	1	3	11		
Doctor of science.....																				1																						
Doctor of Dental Surgery																																										
Doctor of Medicine.....																																										
Juris Doctor																																										
Bachelor of Laws.....																9 2	18 4	15 2	16	6 6	23	22	21	25	17	26	20 2	11 3	15 1	17	26	15	16	22	3 10	4 19	3 18	2 19	18 24	32 62	34 69	43 73
Master of Laws.....																																										
Total	6	7	9	8	9	11	12	16	18	24	28	26	30	36	61	79	70	112	118	135	126	99	137	135	141	170	194	209	225	249	287	333	370	422	501	515	608	793	902	941		
Degrees conferred dur- ing the year as of the class of																1											6	0	5	6	5	15										
Totals																											200	209	230	255	292	348										

*Statistics given prior to 1904 covered only the degrees granted at the Commencement.

APPENDIX VI

SHOWING THE NUMBER OF STUDENTS IN THE GENERAL, TECHNICAL AND PROFESSIONAL COURSES

	1890-91	1891-92	1892-93	1893-94	1894-95	1895-96	1896-97	1897-98	1898-99	1899-1900	1900-01	1901-02	1902-03	1903-04	1904-05	1905-06	1906-07	1907-08	1908-09
General Courses (College of Arts)	137	151	194	245	256	322	327	358	371	419	439	403	490	496	490	551	572	630	714
Technical Courses (other Colleges, except Law)	166	259	381	368	424	453	453	511	541	603	771	888	1,039	1,135	1,129	1,262	1,280	1,436	1,626
Professional Courses (College of Law)		55	67	72	65	100	132	148	191	201	220	188	166	171	179	162	153	138	132
*Graduate students and summer school	2			1		94	97	133	75	45	51	49	62	108	54	240	339	375	458
†Summer school (shopwork)															74	75	81	80	90
Lake Laboratory (summer)												19		23	32	26	19	26	32
Totals	305	465	642	686	745	969	1,019	1,150	1,178	1,268	1,481	1,547	1,757	1,933	1,958	2,316	2,444	2,689	3,052
Names counted twice																159	167	216	258
Net Total																2,157	2,277	2,473	2,794

*Until 1896, graduate students have been included in the first three classes.

†Until 1904, summer term students in shopwork have been included with graduate students.

APPENDIX VI—Concluded

SHOWING THE NUMBER OF STUDENTS IN THE GENERAL TECHNICAL AND PROFESSIONAL COURSES

	1909-1910	1910-1911	1911-1912	1912-1913	1913-1914	1914-1915	1915-1916	1916-1917
General Courses (College of Arts, Commerce and Journalism and Education)	845	865	962	1,009	1,139	1,494	1,820	2,198
Technical Courses (Other Colleges except Dentistry, Homeopathic Medicine, Law and Medicine)	1,643	1,780	1,979	2,106	2,392	2,373	2,491	2,398
Professional Courses (College of Dentistry, Homeopathic Medicine, Law and Medicine)	181	170	185	198	187	615	556	514
Graduate Courses (Graduate School 1911-)	96	70	97	128	133	185	244	233
Summer Session	606	617	738	575	671	926	1,010	1,166
Lake Laboratory (Summer)	36	22	28	25	32	14	19	15
Winter Courses	159	183	273	227	203	187	173	187
Total	3,566	3,707	4,262	4,268	4,757	5,794	6,313	6,711
Names counted twice	291	268	334	299	322	462	491	523
Net Total	3,275	3,439	3,928	3,969	4,435	5,332	5,822	6,188

APPENDIX VII

SHOWING DEGREES AND CERTIFICATES GRANTED DURING YEAR ENDING JUNE 5, 1917

GRADUATE SCHOOL

Dean: WILLIAM MCPHERSON

DOCTOR OF PHILOSOPHY

Carl William Bock, B. A., M. A., (University of Missouri).....	Columbus
Erwin Herbert Bohm, B. A., M. A.....	Columbus
Jesse Erwin Day, B. A. (Miami University), M. A.....	Baton Rouge, La.
Wilber Charles Gangloff, B. A., M. A.....	Sandusky
Raymond Gregory, B. A., M. A. (Harvard University).....	New Vienna
Homer Denison Holler, B. Sc. (Denison University) M. A.....	Washington, D. C.
Josiah Simpson Hughes, B. Sc., M. Sc. (Ohio Wesleyan University), M. A.	Manhattan, Kan.
Claude Perkins McNeil, B. Sc. (Wooster University), M. A.....	Manchester
Edward Schmidt, B. A., M. A ...	Georgetown
Gebhard Stegeman, B. A. (Hope College), M. A.....	Holland, Mich.
Robert Daniel Williams, B. A., M. A. (Princeton University).....	Columbus

MASTER OF ARTS

Eleanor Applegate, B. A. (Western College for Women)	Beverly
Rollo Clyde Baker, B. A.....	Columbus
Elma Gertrude Baldwin, B. A.....	Wheeling, W. Va.
Lily Mary Batterham, B. Ped. (North Carolina Normal College), B. A. Asheville, N. C.	
George Nicholas Baumiller, B. A.....	Columbus
Harry Millard Beatty, B. A. (Ohio Wesleyan University)	Newark
Charles Russell Bennett, B. Sc. (Otterbein College)	Westerville
Marjorie Lucile Brown, B. A.....	Columbus
Charles Henderson Detling, B. A. (Miami University)	Covington
Paul Turnley Dolley, B. A. (McKendree College)	Lebanon, Ill.
Cornelius Ozroe Edington, B. A. (Antioch College).....	Greysville
Ethel Ewing, B. A.....	Urbana
Luella Sara Goode, B. A. (Miami University)	Middletown
George Otto Grady, B. Sc. (Ohio Wesleyan University)	Columbus
Homer Carrell Haddox, B. A	Columbus
Ralph Hathaway, B. Ph. (Heidelberg University)	Bloomville
Harry Edwin Jaques, B. Sc. (Iowa Wesleyan University)	Mount Pleasant, Iowa
William Mason Jay, B. A. (Defiance College)	Defiance
Charles Henry Keck, B. A.....	Hawks
Walter James King, B. A	Columbus
Raymond Ellwood Lamborn, B. A	Sebring
Bliss Magly, B. A., LL. B.....	Columbus
Anthony Marino, B. A., B. Sc. in education	Youngstown
Valerie Maude Martin, B. Sc. in education.....	Lancaster
Eugene Paul Metour, B. is L. (Montpellier University, France)	Columbus
Hermann Clinton Miller, B. A.	Columbus

Frederick Wall Moore, B. A. (Wooster University)	Cambridge
John Gregory Moskoffian, B. Sc. in education (Ohio University)	Columbus
Mildred Myers, B. A. (Wittenberg College)	Springfield
Walter David Niswander, B. Ph., B. Ped. (Ohio Northern University)	Bluffton
James Edward Pollard, B. A.	Toledo
Jeannette Chase Reamer, B. A.	Columbus
Alice Louise Ridenour, B. A.	London
Rogers D. Rusk, B. Sc. (Ohio Wesleyan University)	McConnelsville
Adolph Judah Schneeweiss, B. A.	Columbus
Randolph Foster Sellers, B. Sc. (Berea College)	Vermilion
John Clyde Shreve, B. Ped. (West Virginia Wesleyan University)	Sincerity, W. Va.
Ethel Marie Smith, B. A.	Rome
Albert Doyle St. Clair, B. A.	Radnor
Robert D. Stratton, B. A. (Miami University)	Georgetown
Glenn O'Hara Swing, B. A.	New Richmond
Elsa Tway, B. A.	Bloomingsburg
James Theobald Weber, B. A. (Ohio Wesleyan University)	McConnelsville
Earl Wellington Wiley, B. A. (Dartmouth College)	Columbus
Carrie Elizabeth Wolfe, B. A.	Bainbridge
William Donald Wolfe, B. A. (Marietta College)	Rockland
Clara Worchester, B. Sc. in Home Economics	Columbus

MASTER OF SCIENCE

Edward Everett Hale Boyer, B. Sc. (Massachusetts Agricultural College)	Columbus
Yin Hen Chang, B. Sc. (Nanyang University, China)	Shanghai, China
Kirby Lee Cockerham, B. Sc. (Mississippi Agricultural and Mechanical College)	Aberdeen, Miss.
John E. Eckert, B. Sc.	Wooster
Daniel Le Roy Ferguson, B. Sc. in Agriculture	Institute, W. Va.
Fontaine Ryon Henninger, B. Ch. E.	Hamilton
Goey Park Jung, B. Sc. in Agriculture	Canton, China
William Henry Lapp, B. Sc. in Agriculture	Cleveland
Melvin Guy Mellon, B. Sc. (Allegheny College)	Conneaut Lake, Pa.
Lowell Haines Milligan, B. Ch. E.	Columbus
Francis Lewis Morison, B. Sc. in Agriculture	Kenton
Harry Wayne Palmer, B. Sc. in Agriculture	Nevada
Harold Everett Peebles, B. Sc. in Horticulture	Columbus
Phil Everett Richards, B. Sc. in Agriculture (State University of Kentucky)	Morganfield, Ky.
Leo Leavitt Rummell, B. Sc. in Agriculture	Wooster
Henry William Schuer, B. Sc. in Agriculture	Chillicothe
Jerry Hall Service, B. Sc. (Rose Polytechnic Institute)	Columbus
Earle Campbell Sleeth, B. Sc. in Agriculture (University of Nebraska)	Columbus
Marion Russell Smith, B. Sc. (Clemson College)	Pendleton, S. C.
Louis Agassiz Stearns, B. A. (Ohio Wesleyan University)	Holden, Mass.
Tom Candy Stone, B. Sc. (University of Illinois)	Stonington, Ill.
John Walter Taylor, B. Sc. (New Hampshire State University)	Bellows Falls, Vt.
Otis Wade, B. Sc. (Ohio Northern University)	Oklahoma City, Okla.

MASTER OF SCIENCE IN PUBLIC HEALTH

Forrest Edwards Deeds, B. A.	Columbus
Karl Fred Schmidt, B. Sc. in Pharmacy	Canton
Jacob R. Wiggers.	Columbus

DEGREES CONFERRED DURING the CURRENT ACADEMIC YEAR

As of the Class of 1916

MASTER of ARTS

Vernard Delano Coe, B. A. (Ohio Wesleyan University)	Athens
George Wendell Eckelberry, B. A.	Columbus
Louis Foley, B. A. (Ohio University)	Zanesville
Edward Frederick Gerish, B. A.	Columbus
Wade Emil Miller, B. Ph. (Heidelberg University)	Fostoria
Noble Warren Rockey, B. A.	Dayton
Charles Ferdinand Rudman, B. A.	Ironton
Cornelius Earl Senseman, B. Sc. (Antioch College)	Tippecanoe City
Freda Hallie Spring, B. A. (Mt. Union College)	Gnadenhutten
William Omar Stutz, B. A. (Capital University)	Ithaca
James C. Trimby, B. Sc. (Ohio Wesleyan University)	Delaware
Frank Carl Vilbrandt, B. A.	Woodville
William Lesquereux Young, B. A. (Capital University)	Hebron, Neb.

MASTER of SCIENCE

Edgar Collins Bain, B. Sc. in Chemical Engineering.	Marion
William John Becker, B. A. (Adelbert College)	Cleveland
Wei Van Cheng, B. Sc. (Nanyang College)	Kasking, Chekiang, China
Herbert Spencer Coith, B. Sc. (Kansas State Agricultural College)	Normal, Illinois
Aaron Ferneau Head, B. Sc. in Agriculture	Hillsboro
John Luther Hutchison, B. Sc. (Kansas State Agriculture College)	Lincoln, Kansas
Floyd B. Paddock, B. Sc. (Colorado Agricultural College)	College Station, Texas
Carl Williamson Shiffler, B. Sc. in Agriculture.	Gahanna
Tuan Ying Woo, B. Sc. (Nanyang College)	Toitsong, China

COLLEGE OF AGRICULTURE

Dean: ALFRED VIVIAN

BACHELOR OF SCIENCE IN AGRICULTURE

Jacob Roy Allgyer.	West Liberty
Ralph Hugh Anderson	Shelby
Yervant Boghos Azhderian.	Marsovan, Armenia
Alexander Major Bain.	Madeira
Allen Langdon Baker.	Cincinnati
Dwight Leland Barnes.	Dayton
Earl Elmer Barnes.	Waterford, Pa.
Harry Franklin Barnes.	Middlefield
Hiram Harold Barrick.	Croton
Theodore Marston Beal.	Westerville
Ralph Evans Beatty	Selden
Elbert Lesquereux Becker.	Columbus
Robert Beeghly Billman.	Dayton
Paul Green Bradley.	Hudson
George Loy Brown.	New Lexington
Eugene William Budd.	Perrysburg
Harry Oscar Buhrman, Jr.	Cincinnati
Ralph Leo Bushey.	Wauseon
Kenneth Rivers Cade	Veedersburg, Ind.
Pearl Garfield Campbell.	Harrison
George Leland Cassell.	Mt. Vernon

Ralph Sylvan Christen	Le Moyne
Benjamin Smith Cole	Barnesville
Luke Cooperrider	Glenford
Joseph Augustus Cross	Racine
John McKinley Davis	Coshocton
Ernest Roy DeHaven	Kent
Lawrence Earl DeHaven	Monroe
Almar Hunt Detchon	Youngstown
Walter Smith Donaldson	Carrollton
Virgil Otto Dreyer	Chillicothe
Howard Aaron Dunkel, B. A. (Wittenberg College)	Osborn
Rei Duprey	Van Wert
Paul Bradford Edwards	Newark
Griff Eidson	Greenville
Wallace Springsteen Erskine	Lowellville
Fred Charles Evans	Norwalk
Selwyn Bright Ewing	Vanlue
Walter Donald Feller	Mt. Blanchard
Edwin Graham Flower	Hartwell
Smith Foster	Mason
William Luther Frank	Wapakoneta
Llewellyn Rothrock Frederick	Copley
Paul Raymond Fudge	Eaton
Louis Phillip Goepfert	Akron
William Hyland Gowdy	Xenia
James Isaac Hambleton	Galloway
Bernard Hatten	Delaware
Harry Emmett Haymes	Mt. Vernon
Edward George Heinzelman	Chillicothe
Elmer John Helbig	Groesbeck
William Carl Hershberger	Lancaster
Fred Herbert Hook	Hicksville
Willis Boulden Hooper	Sandusky
John Elliott Hull	Sharon, Pa.
Walter David Hunnicutt	Wilmington
Clare Benjamin Irwin	Ravenna
Joseph Henderson Jackson	Youngstown
Howard Glendon Jenkins	New Carlisle
Warder Bryan Jenkins	New Carlisle
Milo B. Jimison	Bowling Green
Arthur Willard Jones	West Unity
Hamlin Caldwell King	Vanlue
Ivving Owen Koch	Columbus
Edgar Leigh Koebel	Columbus
Joe Blake Koons	Medina
Jesse Benton Lane	Stockport
Carl Clifford Lowe	Medina
Harold Wright McChesney	Akron
Karl Stuart McComb (As of the Class of 1916)	Napoleon
Edgar Marshal McElwain	Lafayette
Frederick Harlan McMillen	Peebles
John DeWalt Macklin	Tarlton
Herbert Boyer Marshall	Beaver Dam
Frank Alexander Meckel	Lakewood
Raymond Francis Miller	Reynoldsburg

Edward Albert Nimmo.....	Cincinnati
Wilbur Arthur North.....	Urbana
Jesse Emmet Oakley.....	Elyria
Harold Gideon Olin.....	Bellville
Victor Jesse Petry.....	Gnadenhutten
Rollin Lyman Quigley.....	Cleveland
John Miller Rarey.....	Kenton
Edwin Shotwell Renner.....	Barnesville
Robert Leonard Reynolds.....	Columbus
Chaney Hudson Ross.....	Columbus
Glenn Kenton Rule.....	Mt. Gilead
Earl Stanley Santee.....	Damascus
John Earl Schaffner.....	Pueblo, Pa.
Olen Jay Shong.....	Ney
Ralph DeWitt Seif.....	Galion
Harvey Henry Smith, B. A. (Defiance College).....	Defiance
Leonidas James Smith.....	Swift
Russell Wellington Smith.....	Columbus
Clifford Bright Snider.....	Columbus
Harry Calvin Solether.....	Jerry City
John Willey Stratton.....	Piketon
John Grafton Swickard.....	Island Creek
Charles Leroy Thrash.....	Carroll
Howard Frederick Thwing.....	Chardon
Luman Tyler.....	New Paris
George Valley.....	Cleveland
Edmund Hume Vance, B. A. (Ohio Wesleyan University).....	Troy
James McCalmont White.....	Hickory, Pa.
Edward Lawrence Wickliff.....	Columbus
Corwin Robert Williams.....	Jeffersonville
James William Denver Williams, B. Sc. (Wilmington College).....	Wilmington
William Henry Williams.....	New Concord
Herbert Richey Wills, B. Sc. (Ohio Wesleyan University).....	Delaware
Brenton Creamer Zimmerman.....	Washington C. H.
(One hundred and ten candidates)	

BACHELOR OF SCIENCE IN ENTOMOLOGY

Frank Thomas O'Callahan.....	Columbus
(One candidate)	

BACHELOR OF SCIENCE IN FORESTRY

Arthur Abel Daus.....	Cleveland
Matthew Francis Garvey.....	Cleveland
Thomas Edward Holman.....	Springfield
Charles Niman McIntyre.....	Columbus
Fred William Norton.....	Marblehead
Burton Davis Raine.....	Rainelle, W. Va.
Ernest Lincoln Stover.....	Richwood
Richard Perkins Tappenden.....	Cleveland
Homer Edward Wood.....	Columbus

BACHELOR OF SCIENCE IN HORTICULTURE

Laurence Alman Buckley.....	Columbus
Brooks Daniel Drain.....	Belpre

Clarence Edwin Dutton.....	Hockingport
Clay Brawn Eddy	Chesterland
Joseph Edwin Fouser.....	Akron
Joseph Hynck Hejna.....	Cleveland
Donald Bowen Hussey.....	Linworth
Herbert Samuel Kinsey.....	Crestline
Claire Maxwell Lewis.....	Columbus
Isaac Peters Lewis.....	Ironton
Harry Wilson Lutz.....	Jeromesville
Clarence Marten Ochs.....	Lancaster
Raymond Roberts Peck.....	Kingsville
Daniella Perrin	Columbus
Henry Adam Reinhard.....	Columbus
Ralph Watson Rundell.....	Akron
Howard Neff Scarff	New Carlisle
Brighton Peterson Slutes.....	Wooster
Russell Lowell Stoner.....	Dayton
Ralph Albert Van Meter.....	Columbus Grove
Leslie George Vonderau.....	Cleveland
James Blaine Wheelock.....	Kennedy, N. Y.
Thomas Lyle White.....	Middlefield

(Twenty-three candidates)

BACHELOR OF SCIENCE IN HOME ECONOMICS

Lillian Frances Ambrose, B. L. (Berea College).....	Kent
Marie Elizabeth Anderson.....	Chillicothe
Pauline Amanda Atcheson.....	Linden Heights
Helene Vivien Bailey.....	Reynoldsburg
Ellen Katherine Bazole.....	Columbus
Esther Beach.....	Plain City
Carolyn Gertrude Blue.....	London
Dorothy Boester.....	Hicksville
Jimsiana Brassfield.....	Columbus
Florence Richards Brobeck.....	Columbus
Katharine Montgomery Brown.....	Columbus
Lena Bumpas.....	Dallas, Texas
Edna Marguerite Callahan.....	Columbus
Carolyn Canfield.....	Toledo
Ruth McQueen Cornman.....	Columbus
Olga Anne Elifritz.....	Toledo
Edna Cary Endley.....	Mansfield
Lillian Merle Fitzpatrick.....	Xenia
Lorma Garmhausen.....	Columbus
Estella Edna Greding.....	Bluffton
Margaret Elizabeth Gullette.....	Salisbury, Md.
Clara May Hall.....	Olena
Gladys Rachel Hatfield.....	Fostoria
Laura Evelyn Heston.....	Toledo
Elizabeth Jane Hill.....	Carrollton
Anna Lou Hyde.....	Columbus
Mary Edith Johns.....	Wellington
Eloise Josephine Jones.....	Troy
Anna Forbes Junkermann.....	Columbus
Zoda Jane Kelly.....	Rawson

Sue Marion Kirkpatrick	Norwood
Helen Elizabeth Koester (As of the Class of 1915)	Cleveland
Helen Grace Lambright	Akron
Grace Mildred Long	Verona
Dorothy Berniece Lowe	Tarleton
Hazel Charlotte Lyne	Temperanceville
Orpha Naomi McCartney	Greenville
Doris Fredrica MacConathy	Columbus
Florence Belle Marsh	Columbus
Mary Martha Merion	Columbus
Grace Wright Miller	Ashville
Mary Alice Milner	Columbus
Alta Jane Morgan	Douglas, Ariz.
Helen Gregory Morrill	Prospect
Mabel Nichol	Columbus
Helen Stirling Nichols	Mt. Washington
Marcella Eggleston Payne	Columbus
Ada Louise Pond	Columbus
Nora Lena Ramsower	Granville
Mary Verna Segur	Hiram
Edith Howell Simmons	Columbus
Carolyn Martha Smith	East Springfield
Julia Smith	West Unity
Adah Frances Snelling	Newark
Esther Janet Studebaker	Logansport, Ind.
Marion Amy Thomas	Columbus
Emma Louise Uncapher	Marion
Helen Clare Verity	Geneva
Hilda Evelyn Vogan	Youngstown
Esther Mary Waddell	Columbus
Mozelle Carolyn Whipps	Columbus
Louise Wood	Worthington
Elsie Gay Zinn	Philippi, W. Va.
(— Candidates)	

DEGREES CONFERRED DURING THE CURRENT ACADEMIC YEAR

BACHELOR OF SCIENCE IN AGRICULTURE

As of the Class of 1914

Andrew Beaumont Johnson	Columbus
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As of the Class of 1916

John Lewis Barton	Reedsville
Henry Hall Boger	Aurora, Ill.
Harry Alfred Levine	Pittsburgh, Pa.
Philip Darlington Parkinson	Columbus
William Timothy Spanton, B. A., B. Sc. in Education	Mt. Healthy
Paul Funk Tressler	Montpelier

BACHELOR OF SCIENCE IN FORESTRY

As of the Class of 1916

Forest William Dean	Utica
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BACHELOR OF SCIENCE IN HOME ECONOMICS

As of the Class of 1913

Sylvia May Six.....	Ashville
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As of the Class of 1916

Arlene J. Beale.....	Mt. Sterling
Dorothy Guy, B. A.....	Irwin

COLLEGE OF ARTS, PHILOSOPHY, AND SCIENCE

Dean: JOSEPH VILLIERS DENNEY

BACHELOR OF ARTS

Galen Forest Achauer.....	Columbus
Helen Loretta Alkire.....	Columbus
Ruth Allbritain.....	Columbus
Gilbert Edmunds Allcott.....	Columbus
Dwight Spurgeon Allen.....	Fredericktown
Mildred Ashmead.....	Columbus
Henrietta Martha Babbert.....	Columbus
Emma Laura Ball.....	Columbus
William George Ball.....	Columbus
Clara Louise Bambach.....	Bethel
William Wert Bauer.....	Thurston
Carl Frederick Bauman.....	Columbus
Helen Beach.....	Hilliard
Mary Elizabeth Bigger.....	Columbus
Robert Elmer Bloser.....	Columbus
Cary Welden Bowers.....	Rosewood
Golden Anne Boyer.....	Columbus
Mary Swann Bradford.....	Columbus
Maynard Brown.....	Circleville
Walter Vaeth Brown.....	Mount Cory
Clyde Raymond Butt.....	Johnstown
Harbert William Campbell.....	Dayton
Robert Ellis Clayton.....	Jennings, La.
Margaret Rickey Cless.....	Worthington
Dana Griswold Coe.....	Milford Center
Frank Harrison Collins.....	Wauseon
Catherine Naddy Cottingham.....	Columbus
Wilhelmina Dahman.....	Youngstown
Hilda Elizabeth Damm.....	Columbus
Jennie Cecil Davis.....	Brookville
Sara Lucile Davis.....	Middleport
Karl S. Day (As of the Class of 1916).....	Norwood
Otto August Digel.....	Massillon
William Aldrew Dougherty, Jr.....	Mound City, Ill.
Harley Howard Druhot.....	Mowrystown
John Ruskin Dyer.....	Woodsfield
Philene Elizabeth Earnhart.....	Columbus
Herbert Dodd Emswiler.....	Kirkersville
Bessie Chloe Engle.....	Lancaster
Gladys Estell Ervin.....	Jackson

Daniel Luther Evans	Columbus
Jean Evans	Greenfield
Mable McKee Ferguson	Lexington
Harriet Elizabeth Fischer	Columbus
Richard Cornelis Fisher	Berkasie, Pa.
Errol Lionel Fox	Akron
George Howard Frech	Niles
Helene Garmhausen	Columbus
George Lawrence Geisler	Sandusky
Eleanor Ida Gekeler	Ada
Ray Wallace Gifford	Westerville
Morris Goldberg	Columbus
Dwight Randolph Gordon	Pleasantville
Mary Magdalene Gordon	Columbus
George Nelson Graham	Reynoldsburg
Herbert Glenni Green	Conneaut
George Richard Greenbank	Woodsfield
Russell Andrew Grimm	Columbus
Donald Hamilton	Columbus
Margaret Estelle Hamilton	Cadiz
Emily Tracewell Harris	Parkersburg, W. Va.
Floyd Raymond Hartpence	Mt. Gilead
Lloyd Fisher Henderson	Chagrin Falls
Orville Clifton Henderson	Anna
Carlene Mary Hermann	Chillicothe
Ruth Loving Higgins	Columbus
James Howard Holmes	Columbus
Joseph Russel Hull	Crooksville
Robert Hussey	Highland
Alice May Johnson	Westerville
Garnet Grace Keck	Westerville
Ralph Leo Kemper	Delaware
John Marshall Kidd	Columbus
Henry Cu Kim	Seoul, Korea
Herbert Charles Kimmel	Dayton
Marjorie Marshall Kinkead	Clintonville
William John Konrad	Hamilton
Harold Waldo Kramer	Columbus
Bertram Jacob Krohngold	Cleveland
Harry R. Lapp	Akron
Gerald Levi Lawrence	Columbus
Gertrude Lawrence	Columbus
Dorcas Isabelle Leachman	Columbus
Benjamin Bernard Levy	Cleveland
Frances Margaret Lorsheter	Columbus
Thelma Lenore Lyons	Pickerington
Minnie Mae McClure	Wooster
Anna Rose McIntire	Columbus
Katharine Lucile McLellan	Columbus
Vinton Edward McVicker	Columbus
Mary Rustell Marksburly	Columbus
John Wesley Marlow	New Philadelphia
Don Rannells Martindill	McArthur
Bruce M. Masters	Bowenston
Helen Katharine Michel	Columbus

Galen Miller	Shanesville
Lewis Earl Miller	Carrollton
Mary Margaret Miller	Sharon, Pa.
May Mounts	Columbus
Robert Beattie Nevin	Youngstown
Loraine Norris	Columbus
Guy Haywood Oxenrider	Bryan
George Leonard Packer	Columbus
Geraldine Leefe Parker	Columbus
Joe Topping Parsons	Worthington
Irene Josephine Patterson	Columbus
Seth Paulin	Salem
Thomas Walter Perry	Leipsic
Walter Holmes Pomerene	Worthington
Marie Prather	Dayton
Carl Jacob Purpus	New Bremen
Geraldine Gertrude Rang	Columbus
James Brooke Reed	Akron
Martha Louise Reynolds	Columbus
Louis Rich	Brooklyn, N. Y.
Forrest Dillen Riffey	Etna
Frederick Graeter Ritezel	Warren
Edna Marie Rogers	Columbus
Helena Roling	Columbus
Harry Edgar Rosch	New Philadelphia
Carl William Rucker	Caldwell
Jasper Dean Sayre	Youngstown
Wesley Elmer Schaaf	Cardington
Rhoda Elfrieda Shick	Kenton
Emma Schneider	Columbus
Harry Edwin Schwall	Woodsfield
Walter Franklin Schwall	Woodsfield
Anna Laura Sells	Columbus
Walter DeRoy Sharritt	Germantown
Owen Shuman	Danville
Miriam Elizabeth Simes	Columbus
Dorwin DeLoss Sims	Groveport
Robert Bartly Smallwood	Waverly
John Chester Smith	Columbus
Milo Benton Smith	Akron
Herman Carlisle Spindler	Columbus
Chloe Sprigg	Chillicothe
Arthur Peter Staudt	Woodsfield
Margretta Steele	Lancaster
Mabel Elizabeth Stehle	Columbus
Elizabeth Marshall Stem	Toledo
Homer Rufus Stine	New Lexington
Jean Stokes	Whitter, Cal.
Parke McFadden Stokes	Toronto
Emma Catherine Stubner	Culebra, Panama
Rene Raimond Studler-Banderet	Bluffton
Charles Luther Swain	Wilmington
Ruth Elizabeth Swedenborg	Ashtabula
John William Tait	Columbus
Jeretta Ewing Taylor	Montgomery, Ala.

Scott Matt Taylor	Winchester, Ky.
Margaret Virginia Teachnor	Columbus
James Reece Trout	Columbus
Frank Warner Watson	Dennison
Galen Rowland Weaver	Columbus
Alma Neva Whitacre	Columbus
Charles Wallace White	Union City, Ind.
Bernard William Winters	Columbus
Charles Howard Wright	Toledo
Howard Haynes Yoakem	Columbus
Ruth Edith Young	Columbus
Alfred Tennyson Zuck	Columbus

(One hundred and sixty-two candidates)

BACHELOR OF SCIENCE

Clarence John Burnes	Columbus
Nial Lanson Burrell	New Lexington
Russell Garrett Means	Columbus
Link McKinley Murphy	Wilmington

(Four candidates)

BACHELOR OF SCIENCE IN APPLIED OPTICS

Jack Isador Kurtz	Minneapolis, Minn
Merle Edison Scott	Logansport, Ind

DEGREES CONFERRED DURING THE CURRENT ACADEMIC YEAR

As of the Class of 1916

BACHELOR OF ARTS

Elma Gertrude Baldwin	Wheeling, W. Va.
Ralph Henry Brown	Hamilton
Esther Anna Church	Millersburg
Helen Coy	Columbus
Forrest Edward Deeds	Columbus
F. Marion Edmiston	Columbus
Henry Arthur Fankhouser	Winesburg
Kathryn Lurene Gillilan, B. Sc. in Education	Columbus
Hilda Marie Joyce, B. Sc. in Education	Hudson
Ruth Evelyn Leonard	Cleveland
Richard Benjamin Meckstroth	Botkins
Robert Edward Miller	Clintonville
Sara Margaret Morton, B. Sc. in Education	Brownsville
Lawrence Byron Wyant	Bellevue

COLLEGE OF COMMERCE AND JOURNALISM

Dean: JAMES E. HAGERTY

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

Virgil Kenneth Cammeron	Marysville
Donald Hoffman Davis	Dayton
Raymond Oram Fix	Cleveland
Stanley Russell Galbraith	Columbus
William Val Gross	Cleveland
Ray Sherman Henning	North Baltimore

Alfred Edwin Kober	Pittsburgh, Pa.
Wesley H. Lees	Brookville
John Donald Myer	Cleveland
Myron George Shook	Lima
Fred Ross Thomas	Portsmouth

COLLEGE OF DENTISTRY

Dean: HARRY M. SEMANS

DOCTOR OF DENTAL SURGERY

Otto Fred Apel	Franklin Furnace
John Alexander Bailey	Columbus
Clarence Fenimore Berry	St. Paris
Elmer James Billman	Frazeyburg
Walter Elsworth Brehm	Somerset
Henry Jones Burgoon	Zanesville
Cadie V. Busch	Racine
William Burns Caldwell	Letart Falls
Hollis Lincoln Coblenz	Dayton
Harry Truman Coffman	Springfield
Edward Nicholas Cook	Columbus
Rozelle Martin Cope	Columbus
Harry Van Denzer	Mansfield
Harley Joseph Dickey	St. Clairsville
Lester Lintemoot Dull	Rockford
Wilbur Simpson Early	Dayton
Edwin Dain Fletcher	Bidwell
Vassar Gerald Gaut	Payne
Edwin Finley Gowdy	Xenia
Ralph Walker Green	Berea
Lazarus Louis Greenblum	Grodno, Russia
Edward Justis Gromme	Cincinnati
Loren Emerson Hart	Isleta
Paul Nevin Hedrick	Chicago Junction
Arthur Charles Heibert	Champaign, Ill.
Robert James Higgins	Bridgeport
Isaac Elmer Jones	Rodney
Joseph Hayden Jones	Oak Hill
Walter Alfred Knoderer	Columbus
Earl Dempsey Lowry	Columbus
Burton McCroba	Bellaire
Pauline McDonald	Columbus
Walter Jacob McFarren	Canton
James Michael Powers	Urbana
Walter Andrew Rose	Gallipolis
Walter Edwin Schoeneweiss	Columbus
William Oliver Semans, B. A. (Ohio Wesleyan University)	Delaware
Harold Donald Sharp	Sidney
Thomas James Smith	Winchester
Floyd Emerson Stamp	Highland Park, Mich.
John Ogden Steer	Salem
Leland Vernon Walton	Columbus
Glen Alfred Wilson	Crestline

COLLEGE OF EDUCATION

Dean: GEORGE WELLS KNIGHT

BACHELOR OF SCIENCE IN EDUCATION

Helen Loretta Alkire.....	Columbus
Ruth Allbritain.....	Columbus
Henrietta Martha Babbert.....	Columbus
Mabel Sylva Baker.....	Youngstown
Emma Laura Ball.....	Columbus
Ruth Vashti Banker.....	Columbus
Frances Mildred Battles.....	Chardon
Owenah Augusta Bauer.....	Bellaire
Helen Beach.....	Hilliard
Alice Evelyn Beekman, B. A., M. A.....	Columbus
Anna Leah Bergman.....	Columbus
Ernest Wayne Blackstone.....	McArthur
Charles Alpheus Bloomfield.....	Westerville
Martha Katharine Brashear.....	Columbus
Whittier Burnet, B. Ph., M. A. (University of Cincinnati).....	Norwood
Marlin Blanchard Collins.....	Columbus
Irene Compton.....	Coshocton
Hilda Elizabeth Damm.....	Columbus
Marie Louise Davis, B. A.....	Columbus
Emilie Hiemke Detmers.....	Columbus
Lucinda Mildred Doersam.....	Groveport
Bessie Lenore Eager, B. Sc. in Home Economics.....	Idaho
Bessie Chloe Engle.....	Lancaster
Margaret Elizabeth Evans.....	Columbus
Gail Frances Farber.....	Belleville
Mabel McKee Ferguson.....	Lexington
Harriet Elizabeth Fischer.....	Columbus
Emerson Blair Graham.....	Columbus
Mildred Amelia Greding.....	Bluffton
Barton Russel Griffith.....	Ashville
Russell Andrew Grimm.....	Columbus
Marie Guthrie.....	Troy
Olivia Jane Hambleton.....	West Jefferson
Julia Anna Hanna, B. A., M. A.....	Columbus
Emily Tracewell Harris.....	Parkersburg, W. Va.
Ruth Loving Higgins.....	Columbus
Flora Esther Hillery.....	Columbus
Joseph Russell Hull.....	Crooksville
William Clifton Jordan.....	Greenville
Charles Matthias Kelly.....	Mt. Vernon
Helen Barrington Kershner.....	Columbus
Christine Kimball.....	Woodstock
Frances Kirkland.....	Ostrander
Cyril Faivre Klinefelter, B. A.....	Cincinnati
Katharine Koehne.....	Columbus
Helen Krumm.....	Columbus
Monabelle Lentz.....	Columbus
Frances Margaret Lorscheter.....	Columbus
Henry Franklin Ludeman.....	Napoleon
Cyrus John William Luttrell.....	Washington C. H.

Annabess McCormick	Columbus
Theresa Hazel Markwith, B. A. (Ohio Wesleyan University)	La Rue
Fannie Dell Merchant	Delaware
Helen Katharine Michel	Columbus
Lucretia Jean Morar	Akron
Hulah Mae Phillips	Centerburg
Julia Clark Potts	Columbus
Glen Eustace Rader	Columbus
Geraldine Gertrude Rang	Columbus
Carrie Elizabeth Robinson	Milford Center
Florence Emmaruth Rogge	Dayton
Helen Rook	Akron
Allyn Stage Rose	Columbus
Mary Elmaud Ryan	Huntsville
Josephine Maud Sanner	Warren
Rhoda Elfrieda Schick	Kenton
Anna Laura Sells	Columbus
Lura Estelle Shafer	Cambridge
Walter DeRoy Sharritt	Germantown
Margaret Rosalie Shott	New Philadelphia
Owen Shuman	Danville
Ferol Katharine Sibley	Columbus
Miriam Elizabeth Simes	Columbus
Kathryn Marie Simpson	Columbus
Lois Nell Sinclair, B. A.	Columbus
Frederick Lester Smith	Cleveland
Jean David Spaid	Dayton
Ruth Virginia Sprinkle	Lancaster
Chloe Sprigg	Chillicothe
Viola Ellen Stilwell, B. A.	Columbus
Grace Allyne Stout	Columbus
Dora Henrietta Summer	Shelby
Jeretta Ewing Taylor	Montgomery, Ala.
J. Lake Vesper	Springfield
Laura Lisette Von Gerichten	Columbus
Margaret Gertrude Wagner	Columbus
Roy Archibald Welday	Steubenville

DEGREES CONFERRED DURING THE CURRENT ACADEMIC YEAR

As of the Class of 1916

BACHELOR OF SCIENCE IN EDUCATION

George Nicholas Baumiller, B. A.	Columbus
Edith Bell Cooperrider, B. A.	Columbus
Marcella Lois Crane	Columbus
Mabel Eva DeMuth, B. A.	Columbus
Ina Fern DeNune	Columbus
Harry Henry Foreman, B. A.	Oak Harbor
Raymond Clifford Gephart	Swanton
Adaline Ruth Giffin	Cleveland
Mary Ruth Hunter, B. A.	Columbus
Bertha Ellen Jacobs	Columbus
Mildred Jones, B. A. (Wilmington College)	Wilmington
Raymond Pearl Keesecker	Cable

Hazel Marie Long	Ostrander
Valerie Maude Martin	Lancaster
Gertrude Ruth Matthias	Cleveland
Louis Roberts Potts, B. A.	Dayton
Frieda Hastings Rebov	Columbus
Wilhelmina Carleine Slaymaker	Gallipolis
Nelson Leroy Stear	Junction City
Lela May Taylor	New Straitsville
Herbert Anderson Toops, B. A.	Cook
Clyde Allison Waltz	Rockford
Martha Davis Welling, B. A.	Worthington

COLLEGE OF ENGINEERING

Acting Dean: EDWIN F. CODDINGTON

BACHELOR OF ARCHITECTURE

Marion Amber Carter	Woodstock
Charles Willam Cloud	Columbus
Noah Jacob Donner	New York City
William Howard Elliott	Newton Falls
Dwight Palmer Ely	Madison
Edwin Mahlon McGinnis	Toledo
Clarence Ames Mathias	Columbus
William Rigby, Jr.	Cambridge
Abraham Albert Sogolovitz	Cleveland
Reed Francis Stockdale	Columbus
Clifford Raymond Treysen	Columbus
Edward Hastings Vietmeier	Sandusky
Jacob Bernard Wolstein	Cleveland

BACHELOR OF CERAMIC ENGINEERING

Henry William Douda	Pittsburgh, Pa.
Robert Flick Ewing	Carey
Edwin Henry Frisz	Toledo
Perry D. Helser	Thornville
Thomas Blair Hobson	Mingo Junction
Addis Emmet Hull, Jr.	Zanesville
George Graham Kent	Bellevue
Samuel John McDowell	Bloomington
Bryan Augustus Rice	Kenton
Edward Waugh	Mingo Junction

BACHELOR OF CHEMICAL ENGINEERING

Don Fisk Alexander	Dayton
Samuel Irvine Anderson	Coshocton
Carl Everett Aungst	Canton
Arthur Marshall Brant	Youngstown
William Irving Burt	Painesville
Francis J. Cloran	East Liverpool
Edmond Henry Deibel	Columbus
James Paul Emmet George	Johnstown, Pa.
James Wallace Kennedy	Marysville

Walter Leonard Krueger.....	Toledo
William Frederic Meyer.....	Brookville
Harry Ellsworth Outcalt.....	Basil
Fred Neddemeyer Schaad.....	Columbus
Earl Rogers Schafer.....	Columbus
Frank Lee Sinks.....	Dayton
Harry Howard Thompson.....	Bellaire
William Albert Wirth.....	East Palestine

BACHELOR OF CIVIL ENGINEERING

Constantinos Stavrou Demetracopoulos, B. A. (Anatolia College).....	Constantinople, Turkey
Ivan Hagan Earhart (As of the Class of 1916).....	Eaton
Harold Elford.....	Columbus
Amberson Raymond Fetzer.....	Sterling
Walter William Fleming.....	Columbus
Homer Hamilton Harding.....	New Philadelphia
Wilbert John Harnish.....	Dayton
Clovis Kendrick Holliday.....	La Rue
Charles Elliott Jefferson.....	Bloomington
Clay Welty Kull, B. Sc. (Ohio Wesleyan University).....	Delaware
Glen R. Leidigh.....	Bellefontaine
Russell Edgar Levering.....	Mt. Vernon
Paul Victor Licht.....	East Palestine
Carl Lutz (As of the Class of 1916).....	Columbus
James Reed McDermott.....	Hartford
James Bicking McTomany.....	Batavia
George Herbert Miehl.....	Ottoville
Graciano Juan Militante.....	Palo, Leyte, Philippines
Frederick Christian Scharrer.....	Dayton
Grover Cleveland Segar.....	Columbus
Clifford Harry Springer.....	Cambridge
Joseph Summers.....	Oneida
Clarence Ray Sykes.....	Bridgeport
Carl Clayton Walker.....	Newark
Gabriel Weber.....	La Plata, Argentine Republic

BACHELOR OF ELECTRICAL ENGINEERING

Hugh D. Bender.....	Aultman
Leland Watts Birch.....	Columbus
Ralph Edward Bock.....	Sandusky
Frederick Wells Gilchrist.....	Cleveland
Lowell Creamer Gladden.....	Kelsey
Maurice Rice Gowing.....	Toledo
Fred Lee Haushalter.....	Akron
Clifford Frederick Hawker.....	Dayton
Wayne Moore Holmes.....	Columbus
Ernest Barton Lloyd.....	Columbus
Clement K. Loshing.....	Springfield
Ray Smith Lowry.....	Cambridge
Waldo Astor McConnell.....	Columbus
Hiram Russell Mason.....	Zanesville
Louis Leon Matson.....	Conneaut

Chauncey Edwin Mauk	Van Wert
Elmer John Merton, B. Sc. (Ohio Wesleyan University)	West Richfield
Albert Frederick Puchstein	Poland.
Leo Grant Schlegel	Columbus

BACHELOR OF MECHANICAL ENGINEERING

Stanley Waldo Bowser	Wauseon
Vally Nicholas Braden	Bucyrus
Roscoe Robert Brown	Basil
Glenn Wayland Geisinger	Medina
Maynard Valiant Hull	Millersburg
Forrest Ward Ingraham	Penn Yan, N. Y
Andrew Frank Irish	Edgerton
Charles Vincent Joyce	Columbus
Fred Warner Kelley	Mansfield
Elmer Louis Leidel	Delta
John Micklethwait Lynn	Portsmouth
Vicente Heliodoro Colon Morales	Santurce, Porto Rico
William Gwynfor Owens	Martins Ferry
Warren R. Peck	Ravenna
Roy Carl Pfeil	Grove City
James Henry Platt	Swanton
Otto Frederick Rehn	Cincinnati
Walter Edward Rossel	Orrville
Russel Adair Tobin	Erie, Pa.
Roland Henry Wasson	McComb
Perry Elliot Wolcott	Dayton

BACHELOR OF ENGINEERING IN MINING

Charles William Davis	Cleveland
Donald Cleatus Gilbert	Columbus
Arden Leslie Knight	Columbus
Ralph Clark Lawrence	Dayton
Charles Eugene Moser	Columbus
George Putman	Millersburg

BACHELOR OF ENGINEERING

John White McFall	Camden
Howard Paul Wilkinson, Jr	Wheeling, W. Va.

DEGREES CONFERRED DURING THE CURRENT ACADEMIC YEAR

AS OF THE CLASS OF 1916

BACHELOR OF CIVIL ENGINEERING

William Frank Kauder	East End, Tenn.
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BACHELOR OF ELECTRICAL ENGINEERING

Francis Carlyle Campbell	Sistersville, W. Va.
Samuel Isaac Cory	Springfield

BACHELOR OF ENGINEERING

Harry John Curtis, B. A.	Madison, Wis.
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ANNUAL REPORT

COLLEGE OF HOMOEOPATHIC MEDICINE

Dean: CLAUDE A. BURRETT

DOCTOR OF MEDICINE

William Lyman Fox.....	Garrettsville
John Lee Gates.....	Ann Arbor, Mich.
Joseph Dennis McNerney.....	Columbus
William Rohimbox Morrison.....	Columbus
Hugh Joseph James Savage.....	Cleveland
Edward Rudolph Werner.....	Dayton
Joseph Gilbert Whitacre.....	Fairland, Ind.
Jacob R. Wiggers.....	Cleveland

(Eight candidates)

COLLEGE OF LAW

Dean: JOHN JAY ADAMS

JURIS DOCTOR

Roberts Allen Good, B. A.....	Miamisburg
Robert Day Touvelle, B. A. (Ohio Wesleyan University).....	Celina
Webb-Isaiah Vorys, B. A. (Williams College).....	Columbus

(Three candidates)

BACHELOR OF LAWS

Herman Christian Achauer, B. A.....	Zanesville
Samuel Edward Boim.....	Cleveland
Russell Strode Cunningham, B. A.....	Lancaster
Corwin Addison Fergus, B. A.....	Columbus
Edward Franklin Heydinger, B. A. (Lebanon University).....	New Washington
Earl Glenn King, B. A.....	Bristolville
Don Robson McGill.....	Nelsonville
Matthew Aloysius McNamara.....	Niles
Henry Harley Metcalf.....	Columbus
Frederick Joseph Miller, B. A.....	Columbus
Warner Merritt Pomerene, B. A.....	Worthington
Erwin Hugh Price.....	Linden Heights
Allen Rathmell Rankin.....	Columbus
James Kalb Stevenson, B. A. (Ohio Wesleyan University).....	Canal Winchester
Joseph Thomas, B. Ph. (Municipal University of Akron, Ohio).....	Akron
William Edwin Williams, Jr., B. A.....	Jackson

(Sixteen candidates)

DEGREE CONFERRED DURING THE CURRENT ACADEMIC YEAR

As of the Class of 1916

BACHELOR OF LAWS

George Biddle, B. A.....	Mansfield
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COLLEGE OF MEDICINE

Dean: EUGENE F. McCAMPBELL

DOCTOR OF MEDICINE

Walter Marion Anderson, P. D. (Philadelphia College of Pharmacy)	Wapakoneta
Robert McQueen Andre	Waverly
Karl Herman Barth	Chatfield
Lloyd Vere Bates, B. Sc. in Pharmacy	Newark
Walter Waldo Beck	Napoleon
James Andrew Brown	Newark
Russell David Bussdicker	Dayton
Gail Knorr Butt	Johnstown
John Henry Caldwell	Guysville
Samuel David Cohen	Coshocton
Jay Randolph Crawley	Marion
Damon Ambrose Crist	West Milton
Claude Vernet Davis	McConnellsville
Frederick James Driscoll	Ashtabula
Walter Edwin Duffee, G. Ph. (Starling-Ohio Medical College)	Columbus
Charles L. Fox, B. Ped. (Ohio Northern University)	Columbus
David Botimer Gilliam	Columbus
Fred Ellis Hall	Washington C. H.
Alfred Paul Haucuff	Columbus
Forest Clayton Haney	Woodsfield
Okey Carl Henderson	Nashport
George Owen Hoskins, B. A.	Columbus
George Golden Hunter	Ironton
Mark Walton Jacoby	Ashland
Harry Buyer La Faver	Sandusky
Reginald Heber Latta	Graysville
Ernest Roy Logan	Van Wert
Charles Nevin Long	Stoyestown, Pa.
Martin Robert Lorenzen	Curtice
Orrin Clark McDowell	Orrville
William Dovey Maag	Chillicothe
Roll Harrison Markwith	Greenville
William Eugene Masters	Piney Fork
Frank Edward Miller	Wauseon
Ray Henry Mouser	Latty
Robert Wayne Nosker	Columbus
Anton William Oelgoetz	Columbus
Charles Donald Padan	Columbus
Dallas Pond	Broughton
William Spowart Puncheon	Mineral City
Harry William Reck	Gettysburg
Arthur Curtis Richards	Columbus
Frederick Arthur Rieckhoff	Defiance
Charles James Roach	Newark
Everett Chaney Robbins	Chillicothe
Edwin Jehu Rose	Waterloo
Frank Lyon Salisbury	Russellville
Ralph Thomas Saunders	Findlay
Thekla Agatha Savolainen	Virginia, Minn.
Arthur Merrill Shaeffer	Lancaster

Harry Solomon Shamansky	Nelsonville
Glen A. Sheppard	Findlay
Henry Leo Sowash	Slippery Rock, Pa.
Forrest Ray Stewart	Sherritts
Jacob Forrest Stultz	Richmond Dale
Harry John Templeton	Zanesville
Harold Paul Timberlake, B. A. (West Lafayette College)	Belmont
Foye R. Troute	Cedarville
Oliver Frank Walker	Niagara Falls, N. Y.
Ota Gertrude Walters, B. Sc. (West Virginia University)	New Philadelphia
John Rush Warren	Saltpetre
Homer Hamilton Williams	Uhrichsville
Ralph LeMoyne Woodruff	Moundsville, W. Va.
Ralph Harold Zemer	Mt. Vernon
George Homer Zimmerman	Stoyestown, Pa.

COLLEGE OF PHARMACY

Acting Dean: CLAIR ALBERT DYE

BACHELOR OF SCIENCE IN PHARMACY

Carl Howard Lowary	Wellsville
Paul LeRoy Saylor	Columbus
William Sylvanus Stevens	Fayette

COLLEGE OF VETERINARY MEDICINE

Dean: DAVID STUART WHITE

DOCTOR OF VETERINARY MEDICINE

John James Ash	Binghamton, N. Y.
Benedict K. Bjornson	Upham N. D.
William Leslie Bleecker	Starkville, Miss.
William Cowles Coleman, B. Sc. (Texas Agricultural and Mechanical College)	Athens, Texas
Charles Jephthah Cossairt	West Manchester
Seth C. Dildine	Lithopolis
James Ellsworth Edwards	Columbus
Reuel Fenstermacher	Spring Valley, Minn.
Edward Michael Fitzgerald	Columbus
Curtis Lozelle Fry	Denton, Texas
Harry Thomas Grossman	Columbus
Oscar Vernon Gunning	London, England
Ernest Edward Hatton	Jamestown, Pa.
Ralph Abbott Hendershott	Columbus
Leo Anthony Hock	Columbus
Oscar Holloway	Piqua
Jerry Lee Hopping	Clifton
Gordon Bancroft Huse	Lynn, Mass.
Clio Johnson	Lynn, Ind.
Kenneth Uttley Jones, B. Sc. (Mississippi Agricultural and Mechanical College)	Columbus
Arthur David Kammer	Cleveland
Morris Karlin	New York City

Foster Bensinger Kimmel	Orwigsburg, Pa.
Raymond John King	Columbus
Clarence Bertrand Lord	Hugo, Minn.
Frederick Low	Oakes, N. D.
Clarence Milton Lutz	Amanda
Roy Tansill Lutz	Amanda
James Edward Materson	Worcester, Mass.
Vego Mikelson	Garske, N. D.
Roscoe George Montgomery	Cogswell, N. D.
Maurice Weston Neidigh	State College, Pa.
Herbert Cline Nichols	Marion
Carroll C. Page	Columbus
John William Page	Willoughby
George Smith Place	Spencerville
Delano Lightiner Proctor	Chillicothe
Dale Pugh	Williamstown
Wayne Collins Reed	Sharon Center
Robert Archibald Schaeffer	Carroll
Samuel James Schilling, B. Sc. (University of Wisconsin)	Columbus
Joseph Edward Schneider	Columbus
Harold Fred Schreck	Gallipolis
Guy Melvin Smith	Sunbury, Pa.
Roy Gilman Smith	Cleveland
Nelson Edward Southard	Lebanon
Henry Kingston Steckel	Powell
Joseph Henry Stephens	Columbus
Russel Deloyd Stewart	Wren
John Kelly Sullivan	Watkins, N. Y.
Alpha Earl Wardlow	Hammersville
William M. Weldishofer	Harrison
Oliver Henry Welf	Cleveland
Armond Benton White	Grove City
Henry Gillette Wickes, B. Sc. (Texas Agricultural and Mechanical College)	Bryan, Texas
Francis Everette Worch	Columbus
Samuel Eccles Young, B. Sc. in Chemical Engineering (Carnegie Institute)	Pittsburgh, Pa.

DEGREES CONFERRED DURING THE CURRENT ACADEMIC YEAR

As of the Class of 1916

DOCTOR OF VETERINARY MEDICINE

Stuart Cass Lilly	Circleville
Lawrence Milne Putney	Toledo

PROFESSIONAL CERTIFICATES

CERTIFICATE IN LAW

Francis Joseph Eberly	Columbus
David Franklin Fahrer	Rushville
Herbert Ray Fairall	Frazeyburg
John Howard Frick	Portsmouth
Saul Green	Dayton
Rollind Otto Holloway	Columbus

Price Janson.....	Waynesburg
Whitney Thomas Joseph.....	Columbus
John Willis Clayton Knisely.....	North Robinson
Dudley Wendle Maxon.....	Ironton
Wayne Eugene Miller.....	Baltimore
Grant Earl Mouser, Jr.....	Marion
Roland Harman Rogers.....	Wapakoneta
Yale Arthur Roskin.....	Youngstown
William Schneider.....	Columbus
Ralph George Sever.....	Lewisburg
Walter Blaine Wanamaker.....	Columbus

CERTIFICATE IN LAW GRANTED DURING THE CURRENT ACADEMIC YEAR

As of the Class of 1916

Everett Alonzo Swartz.....	Germantown
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CERTIFICATE OF PHARMACEUTICAL CHEMIST

John Thomas Bonner.....	Columbus
Harry Lytle Hines.....	Williamsburg
James David Kinnaird.....	Columbus
Carroll Anthony La Vielle.....	Dayton
Harold Morgan Lyon.....	Ravenna
Joseph Bernard McManes.....	Galion
Charles Henry Dean Mohr.....	Springfield
Ralph Thoburn Moore.....	Lake
Samuel Lysanders Moore.....	Ohio City
John Frederick Robinson.....	Delaware
Glen Albright Royer.....	Lake
Henry Rudge.....	Youngstown
Peter Theodore Straman.....	Kalida

GRANTED DURING THE CURRENT ACADEMIC YEAR

CERTIFICATE OF PHARMACEUTICAL CHEMIST

As of the Class of 1916

Waldo Inman Parks.....	Arcanum
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